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Table 3A

12390 784130	Hs.61635	A4432075	13.59	2.29	5.94	2.00	0.00	1	Bone	Pool	Blood
12394 300015	Hs.178542	N78902	24.38	1.24	19.66	3.00	1.00	12	174.53 Adipose	Fore skin	Thyroid
12407 781401	Hs.104804	A4430205	9.42	1.75	5.40	2.00	0.00	12	203.68 Testis	Pool	
12419 305408	Hs.102935	N95073	59.74	10.31	5.71	2.00	0.00		Parathyroid	LID not found	Other
12425 429921	Hs.61703	A4034055	5.31	1.00	5.31	2.00	0.00		Pool	LID not found	Other
12427 309983	Hs.102941	N95440	14.44	2.60	5.56	1.00	0.00		-	Pool	LID not found
12428 744362	Hs.180091	A4021184	19.06	3.17	6.01	2.00	0.00		Testis	LID not found	Other
12430 756260	Hs.67648	A404234	5.79	1.00	5.79	1.00	0.00		Whole embryo	LID not found	Other
12439 782231	Hs.180059	A4431992	7.55	1.28	5.92	1.00	0.00		Testis	Pool	LID not found
12441 626716	Hs.173334	AA191548	34.14	3.59	9.51	5.00	0.00		Cervix	Tonsil	Prostate
12446 758370	Hs.97854	AA404358	5.92	0.78	7.58	3.00	1.00		Whole embryo	LID not found	Other
12448 209758	Hs.23984	H65598	34.94	5.66	6.17	1.00	0.00	13	45.32	Heart	LID not found
12450 321676	Hs.161550	V23758	8.44	1.00	8.44	1.00	0.00		Uterus	Placenta	
12453 489794	Hs.69298	AA110183	32.08	2.53	10.97	4.00	0.00	6	153.07 Blood	Lung	
12454 731254	Hs.97896	AA420689	16.71	1.00	16.71	8.00	3.00		Testis	Pool	
12458 132343	Hs.114191	R00075	7.45	0.91	8.20	3.00	0.00		Parathyroid	Testis	Uterus
12459 322119	Hs.24336	W07789	8.52	0.55	17.30	1.00	0.00		Testis	Pool	LID not found
12460 740412	Hs.180596	A0509332	10.07	1.85	5.46	1.00	0.00		250.52 Whole embryo	Kidney	LID not found
12471 786166	Hs.187677	AA461084	120.27	6.19	19.42	2.00	0.00	14	223.16 Aorta	Uterus	Pool
12474 502505	Hs.94769	AA134570	47.80	6.35	5.73	1.00	0.00	6	467.65	Germ Cell	Testis
12476 113257	Hs.33343	T83648	12.98	1.54	8.48	2.00	0.00	2	301.58 Brain	LID not found	Other
12481 1031844	Hs.112716	AA609686	7.64	0.10	76.41	9.00	6.00	11	666.75 Stomach	Brain	Pool
12482 292982	Hs.163295	N69100	33.00	1.62	20.43	2.00	0.00		95.47 Eye	Colon	Aorta
12483 1031599	Hs.112716	AA609485	8.51	1.00	8.51	2.00	0.00		79.75 Smooth muscle	Pool	Thymus
12488 48142	Hs.5010	H12105	6.34	0.45	13.88	2.00	0.00	1	Pancreas	Kidney	Heart
12490 287411	Hs.167715	N69781	9.09	1.57	6.81	1.00	0.00	X	Testis	LID not found	Other
12491 1031701	Hs.112723	AA609566	6.21	1.00	5.21	2.00	0.00		453.04 Brain	LID not found	Other
12495 784205	Hs.83484	AA453420	18.45	0.55	33.55	8.00	6.00	6	722.7 Fore skin	Bone	Eye
12497 1031919	Hs.112759	AA609749	54.00	4.15	13.00	17.00	0.00		589.48 Synovial mem	Breast	Ovary
12498 1031719	Hs.162889	AA509585	60.21	7.46	8.07	2.00	0.00	5	320.68 Brain	LID not found	Other
12504 418599	Hs.6181	R53580	51.47	8.43	8.01	2.00	0.00	6	Pool	LID not found	Other
12505 296468	Hs.210105	N73203	118.59	18.46	8.32	1.00	0.00	1	179.54 Head and nec	Nose	Uterus
12508 530958	Hs.157366	AA070437	9.52	0.26	36.66	8.00	6.00	7	489.22 Lung	Testis	Pool
12512 35366	Hs.175926	R45567	33.98	5.59	6.08	2.00	0.00	5	602.7 Testis	LID not found	Other
12514 297185	Hs.49872	N70455	5.22	1.00	5.22	1.00	0.00	8	377.31 Pool	LID not found	Other
12519 589484	Hs.129914	AA146626	14.53	1.00	14.53	3.00	0.00	21	200.16 Pancreas	Blood	Whole embryo
12521 1031669	Hs.112765	AA609774	8.49	1.00	9.49	2.00	0.00		Testis	LID not found	Other
12522 299347	Hs.49902	N70654	6.14	1.00	6.14	1.00	0.00	8	Germ Cell	Testis	Pool
12523 1031745	Hs.202437	AA609608	40.81	3.97	10.29	2.00	0.00	8	489.22 Lung	LID not found	Other
12527 1031927	Hs.182250	AA454668	40.64	6.79	5.96	0.00	2.00	9	602.7 Testis	LID not found	Other
12528 35628	Hs.75013	R45292	23.27	1.80	14.55	0.00	1.00	12	377.31 Pool	LID not found	Other
12531 1031787	Hs.112738	AA609628	121.20	16.23	7.47	2.00	0.00		200.16 Pancreas	Blood	Whole embryo
12538 284885	Hs.50015	N71303	228.24	33.31	6.85	2.00	0.00		Testis	LID not found	Other
12539 1031775	Hs.112737	AA609632	6.99	1.85	5.21	1.00	0.00		Pool	LID not found	Other
12542 594123	Hs.72600	AA169475	13.11	2.62	5.01	1.00	0.00	3	Stomach	Testis	LID not found
12543 788420	Hs.168330	AA458432	6.30	0.10	63.94	8.00	5.00		Ovary	LID not found	Other
12544 35758	Hs.167367	R45358	5.29	0.86	6.15	2.00	0.00		Synovial mem	Fore skin	Brain
12545 1031116	Hs.112782	AA609903	8.90	1.00	8.90	1.00	0.00	5	74.28	Testis	Pool
12547 1031804	Hs.112740	AA609847	6.66	1.00	8.65	1.00	0.00		Testis	LID not found	Other
12550 594178	Hs.72604	AA169498	74.70	13.00	5.75	1.00	0.00	10	413.48 Ovary	LID not found	Other
12552 47950	Hs.6618	H11625	6.53	0.55	11.87	1.00	0.00		547.68 Brain	LID not found	Other
12681 1031172	Hs.112781	AA609951	6.79	1.00	6.79	2.00	0.00		Testis	LID not found	Other
12686 594266	Hs.72815	AA169606	41.56	7.91	5.25	1.00	0.00	1	611.47 Ovary	Kidney	LID not found
12689 1031176	Hs.179641	AA609953	5.52	1.00	5.52	2.00	0.00		Testis	LID not found	Other
12670 286465	Hs.161519	N67349	7.43	1.00	7.43	1.00	0.00	6	151.75 Ear	LID not found	Other
12671 1031901	Hs.112754	AA609730	5.10	1.00	5.10	2.00	0.00		Testis	LID not found	Other
12575 612955	Hs.95008	AA484595	5.31	1.00	5.31	2.00	0.00	1	674.5 Placenta	Pool	Whole embryo

Table 3A

12576 48167	Hs.6877	H12254	33.98	5.87	5.79	1.00	0.00	14	245.46	Brain	CNS	Muscle
12579 36569	Hs.202541	R51494	14.39	0.00	1439404.61	16.00	1.00			Testis	Spleen	LID not found
12580 1472698	Hs.132768	AA873152	68.91	6.36	10.99	2.00	1.00			Eye	Eye	Muscle
12583 43842	Hs.80789	H04810	39.70	6.03	6.03	4.00	0.00	4	437.67	Ear	Eye	Umbilical cord
12586 726421	Hs.7868	AA399216	7.98	0.83	12.76	1.00	0.00	5	321.88	Lung	Tonsil	Parathyroid
12589 787708	Hs.40782	AA417956	55.25	4.76	11.60	4.00	5.00	2	999.98	Forekin	Synovial mem	Other
12591 43961	Hs.205519	H04826	250.33	32.53	7.89	2.00	0.00	16	68.49	Brain	Blood	CNS
12598 1472735	Hs.74170	AA872383	311.05	2.37	131.23	9.00	3.00	16	388.99	Cervix	Forekin	Colon
12600 271102	Hs.5002	N00404	22.35	4.16	5.39	1.00	0.00	11	250.01	Testis	Forekin	Colon
12607 43985	Hs.30495	H04828	24.05	0.00	2405223.29	14.00	0.00	18	358.39	Testis	Forekin	Colon
12608 271744	Hs.115283	N31585	5.54	0.33	16.88	4.00	0.00	4	427.39	Forekin	Forekin	Colon
12612 1472775	Hs.114599	AA872420	55.78	1.00	55.78	13.00	5.00	21	164.46	Placenta	Bone	Blood
12615 43759	Hs.127416	H05085	15.03	1.67	9.00	4.00	0.00	19	35.78	Brain	Lymph	Testis
12618 291756	Hs.108014	N74524	78.69	8.67	8.67	1.00	0.00	19	295.55	Heart	Brain	Lung
12623 43764	Hs.26501	H05089	29.07	1.44	20.20	2.00	0.00	2	173.47	Umbilical cord	Umbilical cord	Aorta
12636 1492230	Hs.198711	AA875933	140.88	1.84	85.90	18.00	4.00	19	173.47	Umbilical cord	Umbilical cord	Aorta
12640 288798	Hs.155598	N82514	46.44	7.81	5.92	1.00	0.00	2		CNS	Cervix	Muscle
12641 754449	Hs.30019	AA410208	16.42	2.01	8.17	6.00	2.00	11		Umbilical cord	Umbilical cord	Thyroid
12642 726481	Hs.134108	AA392268	7.48	0.88	8.50	3.00	0.00	11		Brain	LID not found	Other
12643 39931	Hs.25810	R51758	5.21	0.66	7.85	3.00	0.00	11	248.8	Germ Cell	Prostate	Whole embryo
12644 1492236	Hs.105650	AA475953	8.39	0.55	15.14	7.00	6.00	8	346.18	Blood	Kidney	Whole embryo
12646 765610	Hs.27004	AA449455	23.95	4.46	5.37	0.00	1.00	19	214.41	Brain	CNS	
12648 289645	Hs.74565	N62866	22.71	1.89	12.05	7.00	2.00	18	343.9	Smooth musc	Stomach	Bone
12650 726468	Hs.208149	AA399264	120.23	23.68	5.08	1.00	0.00	7	601.98	Small intestine	Smooth musc	Nose
12655 250378	Hs.16428	N64508	215.90	7.26	29.74	2.00	3.00	9	358.65	Brain	Testis	Lung
12657 754455	Hs.98072	AA410301	20.81	3.09	6.73	1.00	0.00	19	76.13	Adipose	Pancreas	Placenta
12663 44154	Hs.21627	H06154	10.97	0.53	19.95	2.00	1.00	1	719.04	Omentum	Smooth musc	Synovial membrane
12667 39295	Hs.123877	R51871	95.00	1.00	95.00	2.00	2.00	X	273.05	Ear	Breast	LID not found
12668 1492426	Hs.6454	AA978576	17.62	0.55	32.04	9.00	6.00	11	343.85	Aorta	Uterus	Breast
12669 767843	Hs.98306	AA418743	21.49	2.46	8.74	1.00	2.00	7	443.2	CNS	CNS	LID not found
12672 1387260	Hs.198433	AA838691	134.93	5.22	25.84	6.00	2.00	11		CNS	CNS	LID not found
12676 342283	Hs.57829	N61264	5.42	0.72	7.55	3.00	0.00	7		CNS	CNS	LID not found
12678 287349	Hs.32118	N69068	6.22	0.00	821995.74	3.00	0.00	X		Heart	Breast	LID not found
12680 415042	Hs.59416	V93106	5.60	1.00	5.60	2.00	0.00	11	343.85	Aorta	Uterus	Breast
12694 504859	Hs.32405	AA149051	17.83	0.32	55.87	5.00	0.00	7	443.2	CNS	CNS	LID not found
12699 281756	Hs.46814	N48078	9.27	1.57	5.93	1.00	0.00	11		CNS	CNS	LID not found
12707 281757	Hs.170053	N48090	5.47	1.00	5.47	1.00	0.00	7		CNS	CNS	LID not found
12715 281970	Hs.46831	N48181	106.13	10.67	9.95	2.00	0.00	X	245.05	Colon	Heart	LID not found
12719 288892	Hs.45584	N62818	7.77	1.00	7.77	2.00	0.00	15	263.47	CNS	LID not found	Other
12723 282019	Hs.46835	N48197	7.28	1.00	10.46	1.00	0.00			Ovary	Blood	Heart
12738 357465	Hs.59506	N93861	10.46	1.00	10.46	1.00	0.00			Pooled	Breast	Forekin
12739 279592	Hs.46850	N48294	6.46	1.00	8.46	1.00	0.00			Lung	Heart	Prostate
12740 342740	Hs.161566	N68930	5.36	1.00	5.36	2.00	0.00	2	515.69	Ear	Testis	Uterus
12743 288938	Hs.48807	N62886	5.04	1.00	6.04	1.00	0.00	16	446.98	Uterus	Tonsil	LID not found
12744 595060	Hs.59507	AA173907	19.94	1.70	11.76	1.00	0.00	14	273.11	Eye	Uterus	Parathyroid
12748 271870	Hs.26401	N35070	86.43	11.90	7.26	2.00	0.00	11		CNS	CNS	LID not found
12759 343930	Hs.50042	N689774	9.59	1.61	5.95	2.00	0.00	2	515.69	Ear	Testis	Uterus
12759 282100	Hs.92774	N51486	23.92	1.69	12.76	8.00	0.00	16	446.98	Uterus	Tonsil	LID not found
12771 253241	Hs.173368	H89203	23.99	3.79	6.31	0.00	1.00	14	273.11	Eye	Uterus	Parathyroid
12772 509964	Hs.123077	AA052966	19.91	3.33	5.97	1.00	0.00	11		CNS	CNS	LID not found
12773 810374	Hs.84928	AA171889	135.98	13.34	10.27	3.00	1.00	12	62.47	Bone marrow	Ear	Muscle
12775 329059	Hs.203550	N43028	13.57	0.33	40.71	9.00	6.00			CNS	CNS	LID not found
12777 491715	Hs.72059	AA150484	5.00	0.33	15.14	1.00	0.00	16	446.98	Uterus	Tonsil	LID not found
12780 840024	Hs.116598	AA490182	7.81	1.00	7.81	1.00	0.00	14	273.11	Eye	Uterus	Parathyroid
12785 250797	Hs.72071	H86090	46.32	7.89	5.87	3.00	0.00	11		CNS	CNS	LID not found
12788 204915	Hs.118888	N71463	84.99	1.65	55.01	3.00	2.00	12	62.47	Bone marrow	Ear	Muscle
12785 730346	Hs.108675	AA469923	105.33	17.44	6.04	1.00	0.00			CNS	CNS	LID not found

Para 65 (cf 118 pages of Table 3A)





Table 3A

12963 666451	Hs.42621	AA333339	24.93	2.62	9.53	4.00	0.00	8	79.28 Fore skin	CNS	Bone
12964 1409509	Hs.73980	AA388929	11.29	0.99	11.39	2.00	0.00	19	305.11 Omentum	Muscle	-
12966 305840	Hs.150401	R42182	95.82	10.11	9.44	2.00	0.00	14	15.73 Esophagus	Placenta	Cervix
12967 191657	Hs.198225	R33551	46.67	4.36	10.71	8.00	0.00	9	150.51 Uterus	Kidney	Testis
12976 287725	Hs.12107	N25578	46.57	1.00	46.57	8.00	6.00	6	Bone	Liver	Adrenal gland
12984 268681	Hs.32511	N24789	26.05	4.35	5.98	1.00	0.00	17	458.69 Fore skin	Eye	Muscle
12994 788332	Hs.31028	AA453014	6.09	1.00	6.09	1.00	0.00	6	43.03 Whole embryo	Brain	Tonsil
12998 815575	Hs.153961	AA458050	58.04	8.17	7.10	2.00	0.00	10	481.39 Adrenal gland	Fore skin	Brain
13004 1180732	Hs.193788	AA497840	6.63	1.00	6.63	1.00	0.00	10	Nose	Germ Cell	Colon
13009 811878	Hs.89200	AA454633	17.69	3.19	5.55	1.00	0.00	19	Tonsil	Pool	LID not found
13013 813390	Hs.16552	AA458625	18.29	1.96	11.70	2.00	0.00	19	271.02 Nose	Stomach	Adrenal gland
13014 31237	Hs.23196	R42836	96.24	4.58	14.97	2.00	0.00	19	Brain	LID not found	Other
13032 259973	Hs.172944	N32604	12.88	0.10	128.82	8.00	6.00	19	269.06 Pool	Whole embryo	Placenta
13037 813398	Hs.50207	AA458627	5.01	0.55	9.12	2.00	1.00	11	50.3 Head and nec	Parathyroid	Fore skin
13039 774446	Hs.394	AA460120	21.49	0.48	45.04	8.00	6.00	11	318.05 Stomach	Uterus	-
13043 969375	Hs.40489	AA453464	53.71	1.41	38.19	20.00	1.00	2	529.87 Fore skin	LID not found	Other
13060 291385	Hs.50212	N72288	22.12	2.71	8.16	1.00	0.00	2	Whole embryo	Lymph	Eye
13062 773512	Hs.22049	AA427947	16.38	1.84	8.89	2.00	0.00	7	80.04 Ear	Cervix	Tonsil
13066 841229	Hs.15144	AA487127	39.25	7.52	5.22	1.00	0.00	2	631.68 Smooth musc	CNS	Stomach
13067 841323	Hs.42656	AA487432	18.81	0.83	22.53	4.00	2.00	X	93.95 -	LID not found	Other
13072 310501	Hs.173553	N8513	177.72	22.72	7.82	1.00	0.00	4	201.71 Cervix	Ear	Adipose
13076 826390	Hs.202948	AA189108	6.04	0.55	14.91	1.00	2.00	4	104.61 Fore skin	LID not found	Other
13083 262763	Hs.42096	H99490	6.39	1.00	0.39	2.00	0.00	6	Cervix	Aorta	Fore skin
13106 627428	Hs.16441	AA160313	135.16	15.40	8.84	2.00	0.00	8	464.12 Stomach	CNS	Fore skin
13108 269378	Hs.161528	N73603	5.33	1.00	5.33	1.00	0.00	8	Eye	LID not found	Other
13110 265093	Hs.22202	N71553	36.31	4.90	7.41	5.00	1.00	17	65.26 Parathyroid	CNS	Lung
13119 271579	Hs.44609	N34530	21.32	2.83	7.53	2.00	0.00	8	377.63	Brain	Lung
13126 731240	Hs.22233	AA417363	70.80	5.23	15.27	14.00	1.00	17	415.27 Ear	Brain	Parathyroid
13132 293496	Hs.168755	N74956	102.71	19.73	5.21	1.00	0.00	5	415.27 Ear	Fore skin	Cervix
13134 796266	Hs.22260	AA480626	67.41	3.31	20.36	16.00	2.00	5	346.93 Umbilical cord	Aorta	Whole embryo
13138 950450	Hs.188006	AA599094	126.39	3.41	37.08	19.00	0.00	10	309.06 Bone	LID not found	Other
13139 824379	Hs.15099	AA182766	14.84	2.19	6.79	3.00	0.00	9	546.37 Heart	Pool	Uterus
13140 299508	Hs.50571	N74863	6.34	1.00	6.34	1.00	0.00	4	411.15 Pool	LID not found	Other
13150 781061	Hs.165080	AA446479	11.05	1.86	5.94	1.00	0.00	3	67.54 Pool	Tonsil	Lung
13153 378163	Hs.62005	AA400598	8.52	0.93	10.19	3.00	0.00	4	180.08 Parathyroid	Uterus	Spleen
13158 810643	Hs.168884	AA459392	15.97	2.72	5.87	1.00	0.00	12	45.7 Pool	LID not found	Other
13160 233246	Hs.114238	H75776	223.17	12.15	18.37	3.00	0.00	22	128.99 Thyroid	Lymph	Whole embryo
13168 209179	Hs.114237	H62011	31.94	3.95	8.08	1.00	0.00	14	223.12 Pool	Testis	LID not found
13169 297748	Hs.62212	N69913	25.90	0.93	27.88	8.00	0.00	15	130.7 Lymph	Whole embryo	Bone
13170 772447	Hs.94981	AA405559	82.30	11.48	7.17	2.00	0.00	11	69.08 Pool	LID not found	Other
13176 210531	Hs.194355	H65832	30.52	4.78	6.39	1.00	0.00	15	163.07 CNS	Fore skin	Pancreas
13177 784253	Hs.62245	AA446908	62.89	11.16	5.64	1.00	0.00	4	674.21 Uterus	LID not found	Other
13180 731404	Hs.111970	AA412247	5.76	1.00	5.76	1.00	0.00	1	82.43 Pool	LID not found	Other
13181 584517	Hs.69494	AA121704	5.37	1.00	5.37	2.00	0.00	11	25.15 Ear	Heart	LID not found
13182 203787	Hs.114243	H56091	5.51	1.00	5.51	2.00	0.00	20	117.11 Eye	Whole embryo	Colon
13183 851241	Hs.62273	AA420485	64.13	4.72	13.57	2.00	0.00	1	Uterus	Pool	LID not found
13186 730946	Hs.111981	AA416543	9.13	1.61	5.06	1.00	0.00	1	Blood	Testis	Pool
13200 241241	Hs.205893	H81083	112.11	13.77	8.14	2.00	0.00	11	69.08 Pool	LID not found	Other
13203 505203	Hs.697345	AA115211	49.68	6.06	8.20	4.00	0.00	15	163.07 CNS	Fore skin	Pancreas
13213 469894	Hs.69658	AA115211	6.35	1.00	6.35	2.00	0.00	4	674.21 Uterus	LID not found	Other
13216 213575	Hs.177286	H70163	25.89	3.86	6.71	2.00	0.00	1	82.43 Pool	LID not found	Other
13222 743018	Hs.188823	AA406037	5.78	1.00	5.78	1.00	0.00	11	25.15 Ear	Heart	LID not found
13226 368850	Hs.95162	AA029452	5.85	1.00	5.85	1.00	0.00	20	117.11 Eye	Whole embryo	Colon
13228 796568	Hs.112034	AA483488	7.16	0.55	13.02	2.00	0.00	1	Uterus	Pool	LID not found
13231 836837	Hs.196502	AA469828	269.52	32.27	9.28	2.00	0.00	1	Testis	LID not found	Other
13233 487794	Hs.62630	AA043349	14.93	2.09	7.16	2.00	0.00	1	25.15 Ear	Heart	LID not found
13236 781088	Hs.170515	AA430002	7.76	1.00	7.76	1.00	0.00	1	117.11 Eye	Whole embryo	Colon

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13239	63855	Hs.163285	A4468940	256.81	40.60	6.33	1.00	0.00	20	21.6	Pooled	CNS	Breast
13242	510086	Hs.108711	A4052035	30.65	3.61	8.50	4.00	0.00			Eye	LID not found	Other
13244	744439	Hs.188775	A4821232	5.35	0.75	7.11	3.00	0.00			Kidney	Testis	LID not found
13247	838694	Hs.105303	A4490046	15.73	1.29	12.22	1.00	0.00			Ear	Prostate	Other
13249	1031884	Hs.172518	A4609987	5.06	1.00	5.06	2.00	0.00	7	501.89	Brain	Forebrain	
13250	286460	Hs.50162	H05091	22.76	2.28	9.98	10.00	5.00			Tonsil	Forebrain	Kidney
13252	43865	Hs.65248	H05091	8.21	0.19	42.40	10.00	5.00			Lymph	Uterus	Pool
13258	291700	Hs.122460	N73477	92.15	0.65	95.29	9.00	5.00			Testis	Pancreas	CNS
13260	787163	Hs.71040	A4424568	10.86	1.33	8.24	1.00	0.00	1	544.02	Bone	Gall bladder	Neural
13268	823925	Hs.173380	A4490216	61.24	9.52	6.43	1.00	0.00			Thyroid	Forebrain	Whole embryo
13271	725684	Hs.111894	A4398233	455.16	40.87	11.14	3.00	0.00	X	307.69	Aorta	Forebrain	Pool
13274	289402	Hs.184014	N73807	666.09	120.89	5.51	1.00	0.00	17	245.08	Heart	CNS	LID not found
13278	813154	Hs.26057	A4466289	40.77	4.16	9.80	1.00	2.00	1	171.28	Heart	Pool	LID not found
13278	210789	Hs.203510	H84380	5.33	1.00	5.33	1.00	0.00	1	737.93	Liver	Pool	LID not found
13279	279388	Hs.188005	N46888	18.16	2.33	6.95	2.00	2.00			Testis	Pool	LID not found
13289	1046722	Hs.112873	A4620831	5.09	0.88	5.74	2.00	0.00	8	118.53	Ignite	Germ Cell	Breast
13291	1031029	Hs.80248	A4609962	8.56	1.53	5.60	1.00	0.00			Lymph node	Bone	Smooth muscle
13292	754250	Hs.108588	A4479270	186.82	27.39	6.82	2.00	0.00	8	501.47	Brain	Placenta	LID not found
13296	49110	Hs.7083	H18401	5.60	0.63	8.94	1.00	0.00	8	-11.77	Brain	Testis	Pool
13297	1040748	Hs.112877	A4620653	9.60	1.85	5.19	1.00	0.00			Germ Cell	LID not found	Other
13299	1031053	Hs.62860	A4609884	5.09	1.00	5.09	3.00	0.00	6	118.42	Testis	LID not found	Other
13301	24622	Hs.179881	R38919	59.93	9.13	6.57	3.00	0.00			Brain	Heart	Colon
13303	25964	Hs.12289	R62421	16.00	2.15	6.37	1.00	0.00	11	235.87	Brain	LID not found	Other
13306	255359	Hs.197008	N76040	408.20	73.36	5.59	1.00	0.00			Pool	LID not found	Other
13310	627018	Hs.161675	A4190488	10.24	1.86	5.51	1.00	0.00	12	240.67	Cervix	LID not found	Other
13314	259412	Hs.31989	N78101	47.58	6.39	7.45	2.00	0.00	10	529.52	Lung	LID not found	Other
13323	1031116	Hs.162893	A4609807	6.92	1.00	6.92	1.00	0.00			Testis	LID not found	Other
13325	69002	Hs.8613	T54298	87.61	1.00	87.61	16.00	6.00	19	52.61	Bone marrow	Synovial mem.	
13329	1049213	Hs.112889	A4620717	7.14	1.00	7.14	2.00	0.00			Pool	Testis	LID not found
13332	813629	Hs.12786	A4447758	121.12	11.98	10.11	3.00	0.00			Whole embryo	Lymph	Cervix
13333	60715	Hs.75180	T04687	7.95	0.53	15.05	8.00	5.00			Synovial mem	Stomach	Germ Cell
13340	796468	Hs.5199	A4450432	32.14	5.98	5.37	1.00	0.00	1	667.69	Smooth muscle	Skin	Pool
13342	116422	Hs.152151	T87324	8.58	0.64	13.30	3.00	0.00	2	645.89	Larynx	Ear	Cervix
13345	754460	Hs.104761	A4410292	17.87	1.53	11.68	3.00	1.00			Whole embryo	Testis	Pool
13348	1483160	Hs.2248	A4878880	5.08	1.00	5.08	0.00	0.00	4	453.51	Neural	Smooth muscle	Lymph
13349	787844	Hs.11426	A4418737	16.21	1.42	11.41	1.00	0.00			Stomach	Spleen	Eye
13355	39176	Hs.140932	R54416	136.12	23.21	5.86	1.00	0.00			Kidney	Uterus	Pool
13356	1493175	Hs.79222	A4878899	66.53	11.29	5.89	1.00	0.00	3	116.08	Cervix	Adipose	Thyroid
13361	754485	Hs.86076	A4410190	42.71	7.16	5.87	2.00	0.00			Forebrain	Pool	LID not found
13364	1326920	Hs.152175	A4737351	11.31	0.64	17.61	2.00	0.00	2	596.63	Synovial mem	Whole embryo	Germ Cell
13365	767668	Hs.62515	A4418888	9.50	1.88	5.06	1.00	0.00	1	143.87	Parathyroid	Gall bladder	Placenta
13372	1461048	Hs.181128	A4844141	14.26	0.78	18.18	6.00	2.00			Adrenal gland	Aorta	Uterus
13376	1388395	Hs.93082	A4890138	32.01	0.55	58.51	6.00	4.00			Adrenal gland	Tonsil	Prostate
13382	765701	Hs.107325	A4449333	227.57	16.66	13.49	9.00	1.00	18	81.14	Cervix	Noose	Uterus
13383	44300	Hs.101853	H05377	16.57	0.55	30.12	9.00	5.00			Brain	LID not found	Other
13388	1461104	Hs.992	A4867984	5.81	1.00	5.81	1.00	0.00	8	367.76	Colon	Pool	LID not found
13389	767982	Hs.20953	A4416816	6.04	1.00	5.04	1.00	0.00			Pancreas	CNS	Muscle
13390	765703	Hs.138253	A4445334	170.65	21.41	7.88	8.00	1.00	8	374.18	Cervix	Lymph	Whole embryo
13393	754525	Hs.173058	A4436233	11.24	1.00	11.24	1.00	0.00			Heart	Pool	LID not found
13396	1461138	Hs.48423	A4888008	464.73	56.69	8.20	1.00	0.00	6	104.29	Breast	Pool	Brain
13397	767893	Hs.29759	A4418829	63.89	1.84	38.96	19.00	2.00	17	309.87	Esophagus	Umbilical cord	Head and neck
13401	754532	Hs.54857	A4436219	6.25	1.00	8.25	1.00	0.00	9	253.17	Uterus	Pool	Heart
13402	729572	Hs.97505	A4398121	11.00	1.00	11.00	1.00	0.00			Testis	LID not found	Other
13404	1461664	Hs.1327	A4885311	30.91	1.70	16.24	14.00	0.00	3	610.51	Neural	Adrenal gland	Whole embryo
13407	47916	Hs.193074	H11968	110.50	8.48	11.65	2.00	0.00			Brain	LID not found	Other
13408	1404774	Hs.89626	A4845432	27.53	1.00	27.53	16.00	6.00	12	105.23	Uterus	Whole embryo	Germ Cell
13410	726578	Hs.97489	A4398133	7.28	1.00	7.28	1.00	0.00			Testis	LID not found	Other

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13415 48236	Hs.31106	H11897	15.27	1.09	14.04	1.00	0.00	2	521.55 Brain	LID not found Other
13416 1404841	Hs.119014	AA838730	15.88	1.63	9.74	1.00	0.00	19	275.81 Stomach	Testis
13419 39453	Hs.101282	R51631	16.07	2.05	7.79	2.00	0.00	2	554.85	Cervix
13421 769008	Hs.55220	AA18744	49.20	1.93	25.56	13.00	0.00	5	219.84	Aorta
13425 754550	Hs.177635	AA405290	32.87	2.52	12.97	5.00	8.00	3	217.05 Stomach	Uterus
13433 745559	Hs.145567	AA406301	7.45	0.55	13.55	5.00	2.00	2	479.29 CNS	Brain
13434 726580	Hs.202860	AA397818	77.18	11.96	8.45	1.00	0.00	5	360.49 Ear	LID not found Other
13437 769043	Hs.22169	AA118552	15.07	0.18	83.80	9.00	8.00	5	377.96 Nose	Colon
13444 344010	Hs.50086	W70242	13.18	1.73	8.80	1.00	0.00	5	Whole embryo	Ovary
13446 341316	Hs.178732	W65084	40.74	6.55	6.22	1.00	0.00	5	Heart	Heart
13448 358800	Hs.69529	W94363	126.17	11.01	11.46	2.00	0.00	5	Eye	Tonsil
13450 511878	Hs.26743	AA088791	7.53	0.31	24.45	1.00	0.00	5	Ear	Colon
13451 277505	Hs.46879	N56881	5.48	0.53	10.29	2.00	0.00	5	CNS	LID not found Other
13452 344033	Hs.59059	W70046	6.09	0.66	9.29	2.00	0.00	5	Heart	LID not found Other
13454 253534	Hs.30754	H95653	11.81	0.16	74.09	2.00	0.00	5	Blood	Blood
13460 344834	Hs.58093	Hs.30754	5.08	0.10	50.83	9.00	5.00	11	Germ Cell	Pool
13462 795240	Hs.33478	AA460668	22.19	3.86	5.75	2.00	0.00	11	Blood	Forebrain
13463 289656	Hs.48653	N28868	11.53	1.00	11.53	1.00	1.00	11	Heart	Heart
13464 357985	Hs.58548	W94419	31.78	3.92	8.12	3.00	0.00	11	Esophagus	Forebrain
13470 743025	Hs.177482	AA406069	11.23	1.65	6.81	1.00	0.00	11	Heart	Testis
13472 350046	Hs.59554	W94591	5.91	1.00	5.91	1.00	0.00	10	177.16 CNS	Testis
13475 730055	Hs.46901	AA416979	19.85	2.48	7.99	1.00	1.00	10	LID not found Other	LID not found Other
13480 360572	Hs.59558	W94620	48.66	9.57	5.08	1.00	0.00	10	Heart	LID not found Other
13486 360597	Hs.33782	AA015789	6.32	1.00	6.32	1.00	0.00	7	Eye	LID not found Other
13487 283742	Hs.48682	N62969	12.56	0.63	18.94	2.00	0.00	7	564.37 CNS	LID not found Other
13490 786816	Hs.26342	AA463206	9.49	0.63	14.95	5.00	1.00	22	78.85 Parathyroid	Muscle
13503 297800	Hs.173012	N62966	11.69	2.14	5.46	1.00	0.00	1	Kidney	Pool
13504 415182	Hs.15378	W95108	28.11	4.39	6.40	2.00	0.00	1	191.7 CNS	Aorta
13512 842855	Hs.59609	AA466427	53.22	10.59	5.03	1.00	0.00	1	Whole embryo	Heart
13515 282235	Hs.46938	N49732	5.42	1.00	5.42	1.00	0.00	8	Testis	Pool
13518 285136	Hs.151489	N83114	8.22	1.57	5.23	1.00	0.00	8	Parathyroid	Pool
13523 282283	Hs.46932	N49746	38.42	1.00	38.42	22.00	3.00	1	191.7 CNS	Aorta
13524 784143	Hs.58187	AA432090	27.36	4.20	6.52	1.00	0.00	8	Whole embryo	Heart
13526 730035	Hs.190159	AA416987	112.30	11.37	9.07	5.00	2.00	8	Testis	Pool
13539 773831	Hs.108860	AA428139	20.84	3.30	6.26	1.00	0.00	10	199.83 Ear	Forebrain
13540 769628	Hs.83659	AA430497	184.28	10.08	18.28	2.00	0.00	10	246.01 Umbilical cord	Synovial mem
13547 262313	Hs.108873	H99460	22.62	1.00	22.62	11.00	3.00	8	375.88 Forebrain	Breast
13553 592523	Hs.72451	AA160484	12.82	0.55	23.30	7.00	4.00	1	Blood	Pancreas
13556 784151	Hs.119313	AA432094	7.03	1.38	5.18	1.00	0.00	1	Whole embryo	LID not found Other
13557 625684	Hs.160055	AA186335	6.74	0.82	8.28	1.00	0.00	1	41.98 Skin	Forebrain
13562 737352	Hs.180117	AA437107	5.82	1.00	5.82	2.00	0.00	1	Testis	LID not found Other
13563 262927	Hs.108847	H99704	345.70	68.81	5.02	1.00	0.00	14	Aorta	Uterus
13569 595318	Hs.72548	AA164301	6.72	1.00	5.72	1.00	0.00	14	Ovary	LID not found Other
13571 270921	Hs.163335	N32516	13.21	1.00	13.21	1.00	2.00	14	Whole embryo	Forebrain
13572 243972	Hs.187391	N39544	5.41	1.00	5.41	1.00	0.00	14	Thymus	Forebrain
13578 626551	Hs.189054	AA187982	6.79	0.37	16.80	8.00	6.00	14	Thymus	Forebrain
13581 626740	Hs.85603	AA188347	9.82	1.00	9.82	1.00	0.00	14	Umbilical cord	Testis
13584 502701	Hs.126597	AA135929	11.50	1.00	11.50	2.00	0.00	12	Adrenal gland	Blood
13587 273838	Hs.184121	N39994	8.96	1.60	5.63	1.00	0.00	12	205.82 Forebrain	Tonsil
13588 841550	Hs.171957	AA487480	56.85	7.42	7.66	1.00	0.00	12	Forebrain	Tonsil
13590 634409	Hs.193815	AA458822	8.16	1.00	8.16	1.00	0.00	18	Whole embryo	Tonsil
13591 328869	Hs.180861	W65453	5.14	0.10	52.26	1.00	0.00	18	Thymus	Ear
13593 593165	Hs.72581	AA169830	7.43	1.00	7.43	1.00	0.00	15	Umbilical cord	Testis
13595 264427	Hs.108919	N21228	112.70	14.39	7.83	2.00	0.00	15	Adrenal gland	Blood
13598 796350	Hs.6538	AA458130	5.80	1.00	5.44	1.00	0.00	11	205.82 Forebrain	Tonsil
13606 785369	Hs.89443	AA458148	23.47	2.18	10.77	2.00	0.00	11	Forebrain	Tonsil
13611 263047	Hs.108923	N20045	14.80	1.74	8.57	2.00	1.00	11	Whole embryo	Pool

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13619	376697	Hs.108972	AA046616	46.95	8.27	5.65	2.00	0.00	5	427.01	Forebrain	Prostate
13623	583815	Hs.72639	AA166917	14.53	1.07	13.81	1.00	0.00	10	120.15	Eye	Kidney
13627	297830	Hs.206507	AA69562	207.98	27.71	7.51	2.00	0.00	10	415.29	Cervix	Lung
13629	626851	Hs.191431	AA191437	48.43	7.66	5.90	2.00	0.00			LID not found	Other
13630	838738	Hs.183280	AA457544	85.48	5.13	18.68	12.00	0.00			Testis	LID not found
13632	240223	Hs.125878	AA69505	121.48	13.54	8.97	2.00	0.00			Testis	LID not found
13638	743536	Hs.112705	AA409422	17.04	0.55	30.98	5.00	1.00			Testis	LID not found
13642	730543	Hs.98644	AA435945	5.04	0.27	18.54	2.00	0.00			Muscle	LID not found
13644	629486	Hs.110532	AA182757	24.74	2.85	6.66	4.00	1.00	14	276.24	Heart	Heart
13646	743537	Hs.112706	AA409432	5.93	1.00	5.93	2.00	0.00			Adrenal gland	Testis
13647	726860	Hs.32017	AA108156	15.50	1.56	9.07	3.00	0.00	11	43.05	CNS	LID not found
13653	281739	Hs.47329	AA17141	5.06	1.00	5.06	1.00	0.00			Testis	LID not found
13654	743579	Hs.112711	AA409467	5.01	1.00	5.01	1.00	0.00			Lung	LID not found
13659	730606	Hs.172678	AA435975	5.12	1.00	5.12	1.00	0.00			Uterus	Uterus
13662	951007	Hs.112862	AA420423	6.51	1.00	6.51	1.00	0.00	1	741.21	Stomach	Heart
13663	812661	Hs.18760	AA464588	16.01	1.75	9.15	1.00	2.00	3	714.15	CNS	LID not found
13665	664975	Hs.7327	AA194833	171.04	2.39	71.49	8.00	2.00			Testis	LID not found
13669	282144	Hs.47359	AA15883	303.69	13.04	23.29	11.00	1.00			Testis	LID not found
13670	951102	Hs.189203	AA420463	25.37	2.64	8.60	12.00	2.00	17	321.66	Prostate	Prostate
13672	753252	Hs.169544	AA402533	49.91	4.16	11.95	2.00	2.00	7	480.24	Testis	LID not found
13673	258118	Hs.43888	AA437129	167.98	2.02	83.16	23.00	6.00			Cervix	Prostate
13674	757374	Hs.98935	AA437129	8.64	1.54	5.62	1.00	0.00	5	371.04	CNS	LID not found
13675	812217	Hs.198730	AA455365	22.19	3.05	7.28	2.00	0.00			CNS	LID not found
13677	262384	Hs.47350	AA11659	5.75	1.00	5.75	1.00	0.00	1	667.89	Blood	Uterus
13680	733271	Hs.74947	AA41659	29.68	3.94	7.58	2.00	0.00			Testis	LID not found
13681	235897	Hs.43953	AA437137	39.35	0.55	71.55	9.00	6.00	1	583.91	Testis	LID not found
13682	757377	Hs.98937	AA437137	5.20	1.00	5.20	1.00	0.00			Forebrain	Whole embryo
13683	31384	Hs.192773	AA42680	6.28	0.55	11.41	1.00	0.00	5	503.45	Uterus	LID not found
13690	711290	Hs.99011	AA463622	63.68	1.89	33.77	6.00	0.00			Uterus	LID not found
13695	48299	Hs.101709	AA14342	148.83	15.24	8.77	2.00	0.00	2	741.91	Brain	LID not found
13701	284269	Hs.186573	AA52169	40.34	7.78	5.19	1.00	0.00	11	46.87	CNS	LID not found
13705	258358	Hs.44070	AA26590	7.36	1.00	7.36	1.00	0.00	15	322.03	Pool	LID not found
13706	700997	Hs.99044	AA446008	0.76	1.00	8.76	2.00	0.00			Testis	LID not found
13708	685127	Hs.28771	AA184868	22.82	3.47	6.62	1.00	0.00	6	370.85	Muscle	Pool
13709	284357	Hs.47442	AA52137	9.29	1.00	9.29	2.00	0.00	11	38.56	CNS	LID not found
13710	744413	Hs.112952	AA421216	5.80	1.00	5.80	1.00	0.00			Testis	LID not found
13711	738007	Hs.105643	AA479850	5.71	1.00	5.71	2.00	0.00	6	188.01	Pool	Uterus
13724	655148	Hs.104108	AA185651	8.43	1.00	8.43	1.00	0.00	22	127.51	Blood	Aorta
13729	811897	Hs.31148	AA454651	18.94	3.56	5.30	1.00	0.00			Tonsil	Kidney
13732	1161830	Hs.68877	AA476021	6.33	0.06	103.33	7.00	6.00			Whole embryo	LID not found
13738	788518	Hs.183227	AA452578	8.53	0.88	9.80	1.00	0.00	6	350.75	Adrenal gland	Parathyroid
13748	813478	Hs.66880	AA455962	57.69	7.27	7.93	4.00	0.00	12	399.8	Thyroid	Pool
13751	283034	Hs.188728	AA51280	72.82	8.43	8.63	3.00	0.00	18	220.7	CNS	Placenta
13752	282220	Hs.171763	AA33534	14.03	0.84	16.77	6.00	4.00	14	192.96	Epididymis	Lymph
13756	654644	Hs.119529	AA630449	252.44	47.88	5.27	0.00	1.00			Small intestine	Intestine
13759	436121	Hs.169228	AA701998	48.19	0.40	120.95	16.00	6.00			Spleen	Eye
13761	811941	Hs.183755	AA455010	6.85	1.00	6.85	1.00	0.00			Parathyroid	CNS
13762	785341	Hs.75013	AA452816	35.18	4.59	7.67	0.00	1.00			Forebrain	Uterus
13764	857603	Hs.117070	AA782337	65.70	11.31	5.81	0.00	2.00	12	425.87	Cervix	Uterus
13765	814900	Hs.191337	AA456063	99.08	9.00	11.01	5.00	0.00			Lymph node	Head and neck
13772	868375	Hs.75450	AA775081	135.65	24.86	5.46	1.00	0.00			Uterus	LID not found
13776	300358	Hs.79768	AA79030	143.63	26.66	5.39	1.00	0.00	20	120.04	Uterus	Pool
13778	682052	Hs.72092	AA256378	13.72	1.00	13.72	2.00	0.00			Prostate	Uterus
13780	868757	Hs.78240	AA775325	67.40	12.83	5.21	1.00	0.00			Forebrain	Pancreas
13781	813508	Hs.98321	AA455082	8.12	1.00	8.12	2.00	0.00			Pool	Uterus
13788	868971	Hs.87183	AA775352	46.02	5.45	8.44	1.00	0.00	18	287.82	Forebrain	Pancreas
13789	013513	Hs.196357	AA456093	6.55	1.00	6.55	1.00	0.00			Pool	Pancreas

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13790	131907	Hs.163537	R43258	26.35	2.50	11.76	1.00	0.00	3	158.32	Brain	LID not found	Other
13791	691156	Hs.772723	A4678655	704.94	106.61	6.80	1.00	0.00	11	352.44	Bone marrow	Thymus	Bone
13800	324492	Hs.03326	W31794	16.27	2.87	5.86	2.00	0.00	8	382.83	Larynx		
13801	811954	Hs.78524	AA458635	13.44	1.45	9.26	3.00	0.00	17	345.1			
13802	782617	Hs.32125	AA448821	78.41	3.17	25.09	16.00	3.00	21	242.21	Small intestine	Stomach	Germ Cell
13803	582053	Hs.199153	AA258459	48.06	9.38	5.23	1.00	0.00	18	268.35	Colon	Liver	Adipose
13805	813543	Hs.99410	AA458112	16.55	1.00	18.55	1.00	0.00	9	356.18	Cervix	Kidney	Spleen
13806	346009	Hs.155455	W72140	13.64	0.98	13.98	8.00	0.00	1	750.98	Forebrain	Testis	Adrenal gland
13809	811855	Hs.100333	AA458642	56.44	1.00	58.44	23.00	8.00	2	458.61	Skin	Placenta	CNS
13815	862522	Hs.160788	AA376466	59.77	4.79	12.46	0.00	1.00	20	125.05	Synovial mem	Lung	LID not found
13816	344272	Hs.6889	W73810	31.40	2.20	14.27	6.00	0.00	2	356.96	Neural	Adrenal gland	Thyroid
13819	587054	Hs.38876	AA258481	6.71	0.71	9.43	2.00	3.00	2	125.05	Parathyroid	LID not found	Other
13822	34526	Hs.107318	R44396	12.13	1.16	10.44	1.00	0.00	4	468.89	Thymus	CNS	Pancreas
13824	344720	Hs.81984	W74868	97.37	5.92	19.38	4.00	5.00	1	236.77	Aorta	CNS	Whole embryo
13828	283903	Hs.111867	N73368	25.83	3.43	7.56	7.00	0.00	16	202.63	CNS	Thymus	Synovial membrane
13830	628990	Hs.22391	AA180382	129.25	15.37	6.47	1.00	0.00	5	368.33	Cervix	LID not found	Other
13836	299024	Hs.50607	N75394	6.47	1.00	6.47	1.00	0.00	X	338.03	CNS	LID not found	Other
13840	322441	Hs.55313	W16423	6.16	1.00	6.16	1.00	0.00	X	245.06	Lung	Heart	LID not found
13843	264858	Hs.183590	N21043	463.46	77.72	5.96	2.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13846	795334	Hs.22542	AA461320	5.78	0.66	8.74	4.00	4.00	12	399.8	Forebrain	Parathyroid	Testis
13850	697727	Hs.16275	AA388994	60.83	11.66	5.21	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13855	279561	Hs.44064	N34833	92.29	6.81	5.28	2.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13864	320346	Hs.85375	W16752	5.28	1.00	5.28	2.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13868	751261	Hs.16470	AA416586	30.32	7.77	6.06	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13872	504302	Hs.55405	AA148541	18.78	1.10	18.03	3.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13878	277001	Hs.46877	N34860	8.20	1.00	8.20	2.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13882	118048	Hs.163374	T92200	209.53	13.75	15.24	2.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13888	327593	Hs.55415	W20398	6.99	1.00	6.99	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13900	200432	Hs.50891	N80279	5.41	1.00	5.41	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13903	271855	Hs.44705	N52222	28.64	5.05	5.73	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13904	327799	Hs.55426	W23631	5.03	1.00	5.03	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13907	253865	Hs.43057	N22007	7.59	1.00	7.59	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13912	320568	Hs.55445	W31352	5.23	0.38	13.68	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13920	320568	Hs.208507	W31566	243.37	47.91	5.08	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13925	537430	Hs.70314	AA132524	172.73	18.28	9.45	2.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13927	839603	Hs.105306	AA480058	9.09	0.18	49.32	6.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13928	244194	Hs.181163	N51030	23.43	0.55	42.60	8.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13929	488653	Hs.62716	AA048803	9.47	1.54	6.15	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13933	841141	Hs.10732	AA437031	22.90	1.88	12.31	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13935	639236	Hs.105308	AA490134	5.81	1.00	5.81	2.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13945	487938	Hs.62722	AA044741	167.46	25.80	6.54	2.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13947	350177	Hs.103322	AA012911	21.41	0.55	38.92	6.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13949	554581	Hs.134728	AA128518	25.61	4.86	5.25	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13956	838600	Hs.185812	AA458951	12.84	0.55	22.97	6.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13958	743048	Hs.98005	AA406078	7.13	1.00	7.13	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13959	430454	Hs.175243	AA122079	5.27	0.95	5.57	2.00	1.00	12	399.8	Forebrain	Parathyroid	Testis
13963	840503	Hs.53831	AA458986	185.88	11.86	16.33	5.00	4.00	12	399.8	Forebrain	Parathyroid	Testis
13964	795568	Hs.112143	AA458992	10.38	1.00	10.39	2.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13967	757171	Hs.105375	AA486121	5.97	1.00	5.97	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13968	246552	Hs.114541	N57659	34.27	5.33	6.42	2.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13969	487068	Hs.62760	AA045300	68.72	10.38	6.62	6.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13972	123685	Hs.163825	R02765	6.74	1.00	8.74	2.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13973	364408	Hs.70843	AA128520	8.86	0.54	18.41	6.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13974	743056	Hs.86007	AA406083	6.51	1.00	6.51	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13975	757198	Hs.178438	AA496133	7.09	1.00	7.09	1.00	0.00	12	399.8	Forebrain	Parathyroid	Testis
13984	260606	Hs.164762	H07587	172.57	9.07	19.03	10.00	1.00	12	399.8	Forebrain	Parathyroid	Testis
13986	582630	Hs.204048	AA161161	16.12	0.71	22.77	9.00	3.00	12	399.8	Forebrain	Parathyroid	Testis

Table 3A

13980 743065	Hs.98011	AA405981	7.35	1.00	7.35	2.00	0.00	Pool	LID not found
13982 298194	Hs.114593	N74393	7.11	1.00	7.11	1.00	0.00	Pool	LID not found Other
13983 378771	Hs.42798	AA046829	8.37	1.54	5.44	1.00	0.00	Heart	LID not found Other
13985 781505	Hs.103378	AA432152	12.17	1.00	12.17	1.00	0.00	Parathyroid	Umbilical cord
13987 480551	Hs.70953	AA126803	20.17	3.54	5.70	3.00	0.00	Testis	Brain
13988 743071	Hs.98013	AA405984	5.04	1.00	5.04	1.00	0.00	Uterus	LID not found Other
14002 609377	Hs.25132	AA187130	132.17	8.22	16.08	11.00	0.00	Thymus	LID not found Other
14003 840467	Hs.184465	AA455877	52.53	3.57	14.72	2.00	0.00	Thyroid	Cervix
14004 482027	Hs.135150	AA046430	55.48	1.57	35.46	11.00	0.00	Adrenal gland	Lymph
14008 809722	Hs.208985	AA455483	1027.59	137.98	7.45	2.00	0.00	71.14 Ovary	Colon
14010 610097	Hs.164352	AA189798	40.99	0.21	190.28	9.00	0.00	17.74 Pooled	CNS
14013 585924	Hs.70993	AA127419	18.71	0.28	72.02	2.00	0.00	609.69 Pancreas	Lung
14015 811072	Hs.205882	AA485445	225.82	8.96	32.43	1.00	0.00	Ovary	LID not found Other
14021 51918	Hs.194794	H22925	80.90	12.36	6.54	1.00	0.00	373.08 Cervix	Spleen
14023 813738	Hs.171960	AA453787	9.65	0.10	98.46	8.00	0.00	278.45	2
14028 284681	Hs.148584	N59474	380.18	52.37	7.26	2.00	0.00	163.63 CNS	Lymph
14029 60605	Hs.108968	T40566	7.53	1.45	5.20	1.00	0.00	128.59 Foreskin	Bone
14030 112018	Hs.142985	T91853	12.28	2.00	6.14	1.00	0.00	968.94 Pool	LID not found Other
14031 720768	Hs.97616	AA395366	30.18	4.13	7.30	3.00	0.00	32.74 Neural	Head and nec Stomach
14032 27098	Hs.8361	R36389	9.21	0.88	10.46	9.00	0.00	277.18 Liver	Gall bladder
14035 1031158	Hs.112768	AA609935	5.34	1.00	5.34	1.00	0.00	Testis	LID not found Other
14036 38253	Hs.63756	R49459	43.42	5.13	8.46	1.00	0.00	516.45 Liver	Pool
14045 110167	Hs.51233	T71214	210.22	20.30	10.75	2.00	0.00	Pool	LID not found Other
14050 305485	Hs.201627	N89814	422.63	46.23	9.34	2.00	0.00	Ovary	LID not found Other
14051 37385	Hs.22383	R51067	7.12	0.55	12.85	3.00	0.00	125.96 Adiposa	Brain
14051 113185	Hs.178020	T83861	13.69	1.82	8.45	2.00	0.00	Pool	LID not found Other
14065 1058260	Hs.112943	AA621055	6.65	1.00	8.95	1.00	0.00	Testis	Pool
14068 308269	Hs.54639	N06658	5.26	1.00	5.26	1.00	0.00	Parathyroid	Pool
14068 785550	Hs.169793	AA452125	29.77	4.59	6.48	2.00	1.00	459.05	3
14069 113160	Hs.111954	T63942	9.01	1.00	9.01	1.00	0.00	Pool	LID not found Other
14070 128474	Hs.75138	R06716	18.85	2.87	7.11	1.00	0.00	430.42 Larynx	Liver
14071 812667	Hs.20709	AA464601	64.19	4.06	15.83	16.00	2.00	488.82 Umbilical cord	Pool
14078 126587	Hs.163313	R10347	230.00	27.63	8.35	2.00	0.00	Pool	LID not found Other
14082 308620	Hs.54646	N52804	248.88	46.13	5.40	1.00	0.00	743.9 Lung	LID not found Other
14085 112468	Hs.16781	T91039	162.36	12.36	16.57	2.00	0.00	316.9 Pool	LID not found Other
14088 131979	Hs.12286	R43026	67.40	13.18	5.11	1.00	0.00	229.88 Brain	LID not found Other
14089 1034902	Hs.113001	AA621637	6.85	1.00	6.85	1.00	0.00	Whole embryo	LID not found Other
14092 687551	Hs.87633	AA234519	41.68	6.71	8.22	3.00	0.00	14.85	22
14095 786475	Hs.57687	AA460438	21.81	4.25	5.13	2.00	0.00	Esophagus	Muscle
14098 308038	Hs.75362	N95260	11.41	1.76	6.48	1.00	0.00	595.68 Lymph node	Umbilical cord Skin
14099 1032041	Hs.112605	AA610036	5.07	0.54	9.31	3.00	0.00	Testis	Pool
14106 309119	Hs.55185	N98238	122.89	9.90	12.43	2.00	0.00	Stomach	Lung
14109 122752	Hs.162913	T99043	78.46	8.05	9.50	2.00	0.00	485.58 Pool	LID not found Other
14110 195162	Hs.179735	R91954	69.24	7.68	9.01	5.00	0.00	363.55 Placenta	Kidney
14111 785107	Hs.5101	AA449336	200.21	26.33	7.60	5.00	0.00	Cervix	Whole embryo
14118 1487195	Hs.2610	AA684709	6.03	1.00	6.03	1.00	0.00	547.53 Pool	LID not found Other
14121 754381	Hs.6336	AA406197	18.75	2.83	6.64	0.00	1.00	19.23 Ear	Spleen
14122 726598	Hs.28783	AA397920	30.86	4.60	6.71	1.00	0.00	Testis	Whole embryo
14124 1468220	Hs.173334	AA384897	15.84	2.05	7.63	3.00	0.00	Cervix	Tonsil
14130 726902	Hs.97584	AA398193	6.70	0.73	9.13	2.00	0.00	Testis	Prostate
14144 394651	Hs.198085	AA70818	5.74	0.55	10.44	4.00	0.00	395.51 Pooled	Liver
14145 754581	Hs.24702	AA408320	32.53	3.54	9.27	0.00	1.00	Testis	Kidney
14149 788111	Hs.98314	AA418968	20.95	3.04	6.50	2.00	0.00	210.7 Prostate	Pancreas
14151 46320	Hs.169440	H14569	8.52	1.81	5.28	0.00	1.00	24.27 Parathyroid	Uterus
14153 754584	Hs.170057	AA406268	63.05	11.98	5.28	1.00	0.00	Testis	Germ Cell
14154 726547	Hs.97581	AA388018	5.50	0.80	6.10	2.00	0.00	Colon	Pool
14156 765636	Hs.180187	AA448105	5.05	1.00	5.05	1.00	0.00	Testis	Whole embryo

Table 3A

14160	431376	Hs.792	AA706974	22.27	0.55	40.49	8.00	6.00	Testis	LID not found	Other
14162	726559	Hs.97593	AA392445	6.73	1.00	5.60	2.00	0.00	Placenta	Pool	LID not found
14165	768163	Hs.19108	AA425584	5.60	1.00	5.60	2.00	0.00			
14168	431397	Hs.80120	AA708887	138.19	21.33	6.39	2.00	0.00			
14173	768199	Hs.20185	AA424887	25.82	4.52	5.71	2.00	0.00	18.9 Stomach	Pool	Blood
14175	48662	Hs.107375	H14968	6.91	1.37	5.06	1.00	0.00	314.6 Uterus	Brain	LID not found
14178	41905	Hs.202996	R59601	7.65	1.00	7.65	3.00	1.00	701.2 Brain	LID not found	Other
14180	1412344	Hs.53985	AA844930	123.35	22.84	5.71	1.00	0.00	197.18 Pancreas	Foreskin	LID not found
14181	768214	Hs.44035	AA424863	9.14	1.86	5.44	1.00	0.00	184.56 Prostate	Foreskin	Heart
14182	753987	Hs.122552	AA419474	8.44	1.29	6.53	1.00	0.00	Blood	Tail	Whole embryo
14185	754677	Hs.61430	AA411220	6.08	0.93	6.57	3.00	0.00	146.48 Pool	Uterus	LID not found
14188	1412412	Hs.21	AA845015	11.97	1.00	11.97	11.00	1.00	Pancreas	LID not found	Other
14189	768217	Hs.27180	AA424905	35.39	7.09	5.04	1.00	0.00	108.17 Lymph node	Skin	Stomach
14190	768510	Hs.193063	AA449481	10.84	0.99	10.74	1.00	0.00	Whole embryo	Lymph	Eye
14198	1418655	Hs.153478	AA948058	7.45	1.38	5.30	1.00	0.00	227.72 Skin	Stomach	Cervix
14200	334768	Hs.9914	AA701850	70.95	1.54	46.18	15.00	4.00	186.01 Pool	Foreskin	LID not found
14201	767041	Hs.87181	AA424501	6.86	1.00	6.86	2.00	0.00	Testis	LID not found	Other
14202	726679	Hs.97612	AA398331	6.31	0.00	6.31	0.00	0.00	79.91 Eye	Foreskin	Brain
14210	511143	Hs.154085	AA084274	42.56	4.25	10.02	4.00	0.00	CNS	LID not found	Other
14211	282716	Hs.46935	NA9958	5.38	0.95	5.64	2.00	0.00	165.59 Ear	LID not found	Other
14215	285503	Hs.174888	H64044	6.86	0.23	30.68	3.00	0.00	CNS	LID not found	Other
14219	282741	Hs.161122	NA9959	62.42	10.47	5.96	2.00	0.00	Muscle	Whole embryo	Lung
14222	597333	Hs.198976	AA132857	155.88	29.36	5.31	0.00	1.00	866.82 Bone	Umbilical cord	Aorta
14235	540726	Hs.118162	AA487848	297.67	12.47	23.87	7.00	3.00	191.7 Whole embryo	Kidney	LID not found
14250	764176	Hs.127365	AA446650	5.32	0.55	9.67	2.00	0.00	Heart	LID not found	Other
14256	556246	Hs.59719	W95946	6.55	1.00	6.55	1.00	0.00	322.42 Adrenal gland	CNS	Cervix
14258	628640	Hs.28005	AA191512	66.34	10.86	6.21	4.00	0.00	CNS	Lung	LID not found
14259	260756	Hs.170252	N50556	1377.09	143.67	9.59	7.00	0.00	CNS	LID not found	Other
14267	263433	Hs.47081	N50638	5.07	1.00	6.07	1.00	0.00	Heart	LID not found	Other
14268	345318	Hs.58258	W73022	5.15	1.00	5.15	2.00	0.00	CNS	LID not found	Other
14271	278091	Hs.48803	N83497	5.08	1.00	5.08	1.00	1.00	CNS	LID not found	Other
14272	353357	Hs.58741	W95876	6.82	1.00	6.82	1.00	0.00	113.98 Heart	Brain	LID not found
14278	278101	Hs.168184	N83500	5.86	1.00	5.86	2.00	0.00	87.96 CNS	LID not found	Other
14280	358544	Hs.59774	W96022	7.17	1.00	7.17	1.00	0.00	Heart	LID not found	Other
14289	283581	Hs.47102	N50702	5.77	1.00	5.77	1.00	0.00	CNS	LID not found	Other
14300	344550	Hs.203070	W73597	187.79	8.46	19.83	2.00	0.00	37.18 Heart	LID not found	Other
14305	595606	Hs.130435	AA167270	11.55	2.25	5.14	1.00	0.00	392.89 Ovary	LID not found	Other
14306	781447	Hs.98610	AA428459	5.78	1.10	5.25	1.00	0.00	Testis	Pool	LID not found
14309	594871	Hs.151335	AA171735	21.73	4.23	5.14	1.00	0.00	146.37 Ear	Pooled	Parathyroid
14312	757237	Hs.126075	AA426031	6.48	0.90	7.22	2.00	0.00	117.28 Eye	Testis	Heart
14316	122008	Hs.193327	T89355	20.16	2.97	6.79	1.00	0.00	Eye	Pool	
14317	784100	Hs.154103	AA443846	57.00	6.32	9.02	7.00	1.00	470.33 Muscle	Thyroid	Stomach
14318	809406	Hs.99472	AA458894	27.98	3.67	7.62	0.00	5.00	Marrow	Breast	Pooled
14320	773575	Hs.126083	AA428240	41.33	1.65	22.40	6.00	1.00	117.28 Nose	Aorta	Whole embryo
14321	608239	Hs.189931	AA187120	5.53	0.52	10.66	1.00	0.00	Eye	LID not found	Other
14326	636230	Hs.206507	AA458674	33.42	3.19	10.47	2.00	0.00	349.65 Eye	LID not found	Other
14328	241447	Hs.126736	H90407	32.70	4.05	8.07	2.00	0.00	14.4 Pool	LID not found	Other
14331	255651	Hs.108018	N27637	219.53	14.45	15.15	3.00	1.00	88 Nose	Kidney	Breast
14334	810954	Hs.133207	AA458403	272.32	33.07	8.23	1.00	0.00	Cervix	LID not found	Other
14335	429317	Hs.110155	AA007513	5.47	0.55	9.94	1.00	0.00	Pool	Pool	
14340	243410	Hs.180705	N36892	88.87	1.77	37.88	14.00	6.00	35.86	Testis	LID not found
14342	795334	Hs.99485	AA458649	11.43	1.77	6.46	1.00	0.00	Eye	LID not found	Other
14353	610000	Hs.166937	AA169173	7.02	0.12	57.91	8.00	6.00	Eye	LID not found	Other
14356	126540	Hs.165793	R00754	130.40	20.40	0.69	2.00	0.00	Eye	LID not found	Other
14361	810007	Hs.187611	AA169180	6.84	1.00	6.84	1.00	0.00	58.66 Cervix	Foreskin	CNS
14363	626544	Hs.61638	AA187977	163.68	5.11	32.10	3.00	1.00	Pool	LID not found	Other
14364	127163	Hs.185987	R08053	5.91	1.00	5.91	2.00	0.00			

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14396 785591	Hs.99489	AA459705	5.07	1.00	5.07	1.00	0.00	Testis	LID not found	Other
14370 781035	Hs.98867	AA46458	7.42	1.00	7.42	1.00	0.00	Lymph	Testis	LID not found
14372 128373	Hs.116670	R11636	5.82	1.00	5.82	2.00	0.00	17.06 Lung	Pool	LID not found
14374 793794	Hs.205078	AA459851	161.02	20.04	8.04	2.00	0.00	245.06 Testis	LID not found	Other
14377 810000	Hs.189995	AA468190	13.72	2.70	5.08	1.00	0.00	Testis	LID not found	Other
14386 781475	Hs.98879	AA432127	6.23	1.00	6.23	1.00	0.00	Testis	LID not found	Other
14390 785797	Hs.99504	AA459852	9.08	0.77	11.74	1.00	0.00	Pool	Breast	Heart
14391 430205	Hs.182426	AA010208	5.26	0.61	8.59	1.00	0.00	382.37 Stomach	LID not found	Other
14392 345100	Hs.125124	W72792	12.47	1.77	7.05	1.00	0.00	75.2 Pool	LID not found	Other
14396 197102	Hs.120789	RS3409	5.52	1.00	5.52	1.00	0.00	Eye	Pancreas	Heart
14397 629907	Hs.88815	AA218230	56.06	5.48	10.23	2.00	0.00	44.29 Cervix	Lymph	Whole embryo
14399 359610	Hs.110248	AA011062	48.20	0.61	79.57	21.00	3.00	422.57 Thymus	Gall bladder	Adrenal gland
14400 786184	Hs.198478	AA468085	44.15	6.35	9.05	3.00	0.00	589.13 Nose	Pool	LID not found
14401 257170	Hs.177351	N30557	278.83	28.75	9.70	2.00	0.00	Prostate	LID not found	Other
14404 665154	Hs.96022	AA195668	10.86	2.09	5.20	1.00	0.00	Testis	LID not found	Other
14408 744447	Hs.112855	AA621235	5.58	0.78	7.18	1.00	0.00	Testis	LID not found	Other
14410 782775	Hs.161869	AA448173	6.59	1.00	6.59	1.00	0.00	422.22 Foreskin	Uterus	Pituitary
14416 753330	Hs.13916	AA468583	48.84	7.02	6.88	3.00	0.00	105.12 Ear	Brain	Pooled
14423 29185	Hs.151400	RD5458	16.92	0.93	18.15	2.00	1.00	Larynx	Skin	Umbilical cord
14431 811607	Hs.24956	AA454654	5.78	0.32	18.17	8.00	6.00	Breast	Pool	LID not found
14432 753368	Hs.193755	AA411692	23.43	0.55	42.61	8.00	6.00	Testis	LID not found	Other
14438 744637	Hs.112969	AA621311	5.52	1.00	5.52	1.00	0.00	104.88 -	Pool	LID not found
14441 259114	Hs.44388	N32556	25.62	4.47	5.77	3.00	0.00	355.78 CNS	LID not found	Other
14445 283668	Hs.202374	N52838	165.30	13.92	11.89	2.00	0.00	247.58 Pituitary	Pool	Aorta
14446 199635	Hs.173609	R96522	9.36	1.63	5.78	1.00	0.00	Neural	Brain	Pancreas
14451 762802	Hs.6314	AA426408	43.30	8.18	5.29	1.00	0.00	Head and nec-	Lung	
14452 665384	Hs.14448	AA195017	36.58	6.97	5.25	1.00	0.00	Ovary	LID not found	Other
14468 811603	Hs.60336	AA454616	110.50	19.34	6.02	2.00	0.00	Cervix	Lymph	Pool
14489 665398	Hs.13109	AA195041	27.17	5.23	5.20	1.00	0.00	CNS	LID not found	Other
14469 283983	Hs.161466	N53370	9.42	1.00	9.42	2.00	0.00	368.51 Foreskin	CNS	Pool
14470 263336	Hs.115617	N25546	14.45	1.00	14.45	6.00	0.00	CNS	LID not found	Other
14473 270706	Hs.44554	N94268	301.90	20.20	14.94	2.00	0.00	20.26 Thymus	Pool	CNS
14476 665446	Hs.40993	AA195080	38.65	7.40	5.22	1.00	0.00	131.18 Head and nec	CNS	Tonsil
14487 754702	Hs.24024	AA411225	6.68	1.00	6.68	1.00	0.00	317.28 Uterus	Pool	LID not found
14492 665500	Hs.61779	AA195255	22.80	1.70	13.45	1.00	0.00	628 Pool	LID not found	Other
14493 247698	Hs.161469	N54274	499.86	88.46	7.08	1.00	0.00	458.69 Aorta	Gall bladder	Pituitary
14509 813584	Hs.14125	AA447861	46.84	6.80	19.26	6.00	5.00	675.52 Head and nec	Adrenal gland	Brain
14512 345077	Hs.75087	W72310	13.03	0.68	6.69	2.00	0.00	153.32	Testis	Parathyroid
14514 788714	Hs.13493	AA449943	143.75	21.50	8.72	1.00	0.00	164.24 Germ Cell	Bone	Foreskin
14515 787850	Hs.21111	AA418740	9.02	1.03	9.46	5.00	4.00	329.54 Thymus	Peripheral ner	Tonsil
14526 34901	Hs.78006	R45114	28.49	3.11	12.13	2.00	0.00	141.57 Thyroid	Germ Cell	Parathyroid
14528 812012	Hs.96443	AA455882	6.67	0.59	6.27	3.00	0.00	158.2 Thyroid	Nose	Adipose
14530 796397	Hs.22437	AA459950	30.77	4.90	6.27	1.00	0.00	238.38 Ear	Tonsil	CNS
14531 787983	Hs.7365	AA418825	140.82	22.46	6.52	2.00	0.00	646.04	Thymus	Kidney
14538 786442	Hs.87773	AA459980	43.25	6.63	11.46	6.00	0.00	379 Brain	Heart	Pool
14540 989914	Hs.85769	AA72816	75.62	8.93	5.77	2.00	0.00	Brain	LID not found	Other
14542 34905	Hs.186534	R45118	85.20	11.12	5.86	1.00	0.00	Tonsil	Foreskin	Pool
14543 787405	Hs.194894	AA417821	57.64	4.19	13.77	5.00	5.00	Brain	Heart	Testis
14548 970271	Hs.33016	AA775957	25.00	1.82	13.77	6.00	0.00	379 Brain	LID not found	Other
14549 813628	Hs.12714	AA447729	238.48	10.40	22.94	10.00	4.00	Tonsil	Foreskin	Pool
14550 34832	Hs.22823	R45157	8.12	1.08	5.77	2.00	0.00	Brain	Heart	Testis
14562 378461	Hs.313	AA775816	21.01	4.10	5.13	2.00	0.00	Tonsil	Foreskin	Pool
14563 812041	Hs.42355	AA459978	6.78	0.99	8.83	2.00	0.00	Brain	Heart	Testis
14558 34934	Hs.26370	R45160	16.22	0.42	39.04	8.00	4.00	Foreskin	Heart	Testis
14560 378468	Hs.186287	AA777187	988.46	15.63	37.66	11.00	1.00	Foreskin	Pool	LID not found
14570 796460	Hs.30875	AA460422	5.31	1.00	5.31	1.00	0.00	Pool	Pool	LID not found
14573 813639	Hs.188728	AA447743	13.10	1.72	7.68	3.00	0.00			



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14575	812033	Hs.2689	AA455895	58.79	4.89	11.79	3.00	2.00	Esophagus	Pooled	Brain
14578	789495	Hs.18193	AA460224	21.86	1.00	21.86	1.00	3.00	Whole embryo/Uterus		Kidney
14580	1155071	Hs.37034	AA1706301	6.78	0.55	12.33	6.00	3.00			
14584	385003	Hs.169427	AA709143	165.20	26.98	6.12	2.00	0.00			
14589	813645	Hs.111244	AA477146	142.41	14.64	9.73	8.00	2.00			
14598	850988	Hs.180006	AA620379	489.70	91.51	6.35	1.00	0.00	Thymus		Gall bladder
14598	743428	Hs.22975	AA609348	9.51	1.00	9.51	4.00	0.00	Peripheral ner	Ear	Adrenal gland
14599	769976	Hs.44772	AA603490	7.21	0.86	8.41	1.00	0.00	Foreskin	Whole embryo/Placenta	
14602	118078	Hs.159306	AA128618	15.30	1.51	10.15	2.00	0.00	Lung	Kidney	LID not found
14602	118078	Hs.190399	AA128618	15.30	9.37	7.58	1.00	0.00	Parathyroid	LID not found	Other
14612	609188	Hs.206878	AA157550	853.44	148.45	5.83	1.00	0.00	Thymus	Eye	Breast
14614	566339	Hs.173091	AA151852	54.86	10.12	5.43	1.00	0.00	CNS	Blood	Parathyroid
14618	797037	Hs.16889	AA463248	234.02	44.49	5.26	1.00	0.00	CNS	Placenta	Parathyroid
14620	843231	Hs.203660	AA468848	104.73	14.87	7.04	1.00	0.00	CNS	Heart	LID not found
14628	897542	Hs.230660	AA468848	42.93	7.75	5.54	1.00	0.00	Parathyroid	LID not found	Other
14640	358212	Hs.654697	AA157550	5.92	1.00	5.92	1.00	0.00	Parathyroid	Uterus	Breast
14642	118472	Hs.17036	AA157550	8.27	1.00	8.27	2.00	0.00	Parathyroid	Uterus	Breast
14650	840984	Hs.17147	AA482230	55.43	11.03	5.02	1.00	0.00	Parathyroid	Uterus	Breast
14655	276512	Hs.44940	N39092	6.36	1.00	8.36	2.00	0.00	Parathyroid	Uterus	Breast
14655	276512	Hs.55513	AA157550	7.52	1.00	7.52	1.00	0.00	Parathyroid	Uterus	Breast
14659	764272	Hs.127648	AA447476	21.78	0.55	39.60	8.00	6.00	Parathyroid	Uterus	Breast
14659	764272	Hs.44077	N39237	6.28	1.00	8.28	1.00	0.00	Parathyroid	Uterus	Breast
14663	276969	Hs.184744	AA620597	28.68	5.71	5.20	1.00	0.00	Parathyroid	Uterus	Breast
14664	951325	Hs.43233	N54145	243.53	35.83	0.30	2.00	0.00	Parathyroid	Uterus	Breast
14675	285760	Hs.55561	AA157550	5.16	0.78	6.60	1.00	0.00	Parathyroid	Uterus	Breast
14680	322021	Hs.43268	N24115	156.82	25.16	6.31	2.00	0.00	Parathyroid	Uterus	Breast
14683	266823	Hs.55563	AA157550	18.28	3.48	6.24	1.00	0.00	Parathyroid	Uterus	Breast
14688	322033	Hs.55563	AA157550	18.28	3.48	6.24	1.00	0.00	Parathyroid	Uterus	Breast
14689	798732	Hs.62905	AA460708	212.22	2.33	91.26	23.00	6.00	Parathyroid	Uterus	Breast
14691	376947	Hs.125848	AA460708	434.72	58.76	7.40	2.00	0.00	Parathyroid	Uterus	Breast
14698	121580	Hs.187564	T87821	48.78	6.58	7.41	2.00	0.00	Parathyroid	Uterus	Breast
14698	731095	Hs.96982	AA421171	29.56	2.33	12.68	1.00	0.00	Parathyroid	Uterus	Breast
14700	127586	Hs.191148	R09166	122.12	19.65	8.21	1.00	0.00	Parathyroid	Uterus	Breast
14703	840444	Hs.100040	AA465714	12.21	1.63	7.47	0.00	1.00	Parathyroid	Uterus	Breast
14705	376736	Hs.62927	AA463038	22.11	2.08	10.66	2.00	0.00	Parathyroid	Uterus	Breast
14720	124474	Hs.184592	R01101	21.28	3.58	5.84	2.00	0.00	Parathyroid	Uterus	Breast
14727	840514	Hs.208507	AA485969	154.76	6.72	23.01	3.00	1.00	Parathyroid	Uterus	Breast
14729	510397	Hs.205048	AA485969	24.74	3.97	8.24	1.00	0.00	Parathyroid	Uterus	Breast
14731	897722	Hs.18286	AA485969	9.99	0.55	18.21	6.00	6.00	Parathyroid	Uterus	Breast
14736	111735	Hs.187413	T91088	8.14	1.00	8.14	2.00	0.00	Parathyroid	Uterus	Breast
14745	268354	Hs.176852	N25743	38.68	6.86	5.95	2.00	0.00	Parathyroid	Uterus	Breast
14748	118182	Hs.181466	T91225	61.30	6.89	8.90	2.00	0.00	Parathyroid	Uterus	Breast
14750	731422	Hs.68127	AA412403	8.74	1.24	7.04	1.00	0.00	Parathyroid	Uterus	Breast
14751	840770	Hs.105689	AA486081	84.54	10.10	8.37	3.00	3.00	Parathyroid	Uterus	Breast
14754	730344	Hs.97431	AA486081	6.17	1.00	6.17	1.00	0.00	Parathyroid	Uterus	Breast
14757	501887	Hs.71165	AA486081	6.34	1.00	6.34	1.00	0.00	Parathyroid	Uterus	Breast
14758	731444	Hs.98129	AA412435	6.21	1.00	6.21	1.00	0.00	Parathyroid	Uterus	Breast
14759	840984	Hs.105595	AA486567	53.98	2.51	21.55	8.00	1.00	Parathyroid	Uterus	Breast
14762	742516	Hs.97540	AA401482	6.60	1.00	5.60	1.00	0.00	Parathyroid	Uterus	Breast
14763	490043	Hs.103718	AA115466	6.63	1.00	6.63	1.00	0.00	Parathyroid	Uterus	Breast
14767	840982	Hs.105596	AA486571	224.42	18.01	12.46	2.00	0.00	Parathyroid	Uterus	Breast
14775	841016	Hs.133407	AA486571	25.12	3.87	6.84	2.00	0.00	Parathyroid	Uterus	Breast
14777	377296	Hs.63190	AA055491	18.02	0.55	32.76	9.00	6.00	Parathyroid	Uterus	Breast
14784	122872	Hs.181201	R00130	177.91	33.03	6.30	2.00	0.00	Parathyroid	Uterus	Breast
14788	322843	Hs.8185	AA157550	38.47	6.72	5.72	1.00	1.00	Parathyroid	Uterus	Breast
14788	754026	Hs.21808	AA479976	97.48	12.36	7.89	9.00	0.00	Parathyroid	Uterus	Breast
14780	201075	Hs.210037	R96023	602.71	55.78	10.80	2.00	0.00	Parathyroid	Uterus	Breast
14783	1031580	Hs.186931	AA409810	42.09	6.84	8.15	1.00	0.00	Parathyroid	Uterus	Breast

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14784	327746	Hs.02055	V23441	50.53	7.55	6.69	1.00	0.00	17	347.4	Heart	LID not found	Other
14786	233904	Hs.161023	R60997	242.22	43.77	5.63	1.00	0.00	16	188.79	Pool	LID not found	Other
14805	127209	Hs.20117	R03178	5.56	1.00	5.56	1.00	0.00	15	136.1	Pool	Cervix	LID not found
14807	842958	Hs.38708	AA485324	36.09	2.47	14.59	2.00	0.00			Adipose	Brain	LID not found
14806	35265	Hs.184378	R45578	63.13	10.53	9.00	2.00	0.00			Pool	LID not found	Other
14817	244658	Hs.161472	N45826	207.89	17.30	12.02	2.00	0.00			Testis	LID not found	Other
14819	1030855	Hs.181368	AA621761	73.00	10.66	6.85	1.00	0.00			Testis	LID not found	Other
14822	257414	Hs.03743	N30713	159.56	22.57	7.07	2.00	0.00	3	56.61	Pool	LID not found	Other
14825	265645	Hs.181090	N25338	300.18	39.05	7.69	2.00	0.00			Forekn	LID not found	Other
14830	260000	Hs.145532	N32828	269.00	38.48	6.99	2.00	0.00	X	245.06	Pool	LID not found	Other
14831	813488	Hs.25723	AA450077	135.41	25.92	5.77	1.00	0.00			Nose	Parathyroid	Ovary
14832	31564	Hs.12486	R42056	10.90	0.86	12.76	3.00	0.00	4	96	Parathyroid	Pancreas	Brain
14835	1030726	Hs.12851	AA620267	6.47	1.00	6.47	1.00	0.00			Testis	LID not found	Other
14841	265778	Hs.46843	N63227	7.24	1.00	7.24	1.00	0.00			Ear	LID not found	Other
14843	1030921	Hs.112858	AA620343	5.11	1.00	5.11	1.00	0.00			Testis	LID not found	Other
14844	823870	Hs.29664	AA480481	13.76	1.00	13.76	1.00	0.00	6	220.71	Adipose	CNS	Heart
14845	130392	Hs.203860	R21741	175.15	21.84	7.98	2.00	0.00			Placenta	LID not found	Other
14847	214443	Hs.31086	H73591	210.18	40.45	5.20	1.00	0.00	19	415.13	Head and nec	Cervix	Lymph
14848	39204	Hs.12552	R51154	101.38	11.72	8.65	1.00	0.00	7	675.52	CNS	Prostate	Brain
14856	48226	Hs.12554	H11119	22.39	2.48	9.02	4.00	0.00	4	482.04	Ear	Parathyroid	Eye
14864	36354	Hs.206507	V87388	545.85	51.04	10.69	3.00	1.00	19	440.62	Forekn	Tonsil	Eye
14870	273421	Hs.93817	N38873	8.32	0.80	6.89	2.00	0.00	X	245.06	Forekn	LID not found	Other
14874	344264	Hs.117806	V89913	6.86	1.02	6.75	2.00	0.00	1	176.77	Forekn	Pool	LID not found
14875	1049170	Hs.112880	AA620670	6.75	1.00	6.75	2.00	0.00			Testis	Pool	LID not found
14877	132203	Hs.60054	R26390	9.14	1.00	9.14	2.00	0.00			Testis	Whole embryo	Heart
14878	281659	Hs.167706	N48050	8.44	0.60	14.06	2.00	0.00	9	387.85	Whole embryo	Heart	Germ Cell
14879	753162	Hs.173892	AA400457	43.79	5.18	8.46	3.00	0.00	13	270.23	Pool	Placenta	LID not found
14880	53122	Hs.12581	R15691	24.98	0.70	35.67	11.00	0.00	2	977.82	Thyroid	Muscle	Whole embryo
14881	767059	Hs.8259	AA451751	9.39	0.10	93.89	4.00	0.00			Ear	Brain	Aorta
14889	767075	Hs.210546	AA424517	33.79	4.88	5.82	7.00	0.00	11	229.07	Head and nec	Stomach	Tonsil
14890	726690	Hs.97610	AA398327	6.94	1.00	5.64	1.00	0.00			Testis	Placenta	Tonsil
14892	1412502	Hs.181289	AA845167	7.75	0.41	18.88	4.00	1.00			Pancreas	LID not found	Other
14894	785983	Hs.77238	AA448791	9.91	1.72	5.76	1.00	0.00	3	419.03	Whole embryo	LID not found	Other
14897	767078	Hs.172928	AA424509	92.99	9.03	6.97	2.00	0.00			Brain	LID not found	Other
14907	42302	Hs.21515	R61700	114.02	11.81	9.82	2.00	1.00	2	29.21	Brain	Pool	Forekn
14910	785069	Hs.49348	AA446660	53.07	9.37	5.67	0.00	1.00	11	374.23	Brain	LID not found	Other
14911	48923	Hs.31286	H14630	8.34	0.55	15.17	8.00	6.00	3	38.45	Brain	Smooth muscle	Esophagus
14916	1416782	Hs.173724	AA894557	33.94	3.47	9.77	0.00	1.00	14	276.5	Marrow	Pool	Kidney
14921	767126	Hs.189292	AA424534	7.93	1.00	7.93	1.00	0.00			Brain	Germ Cell	Testis
14922	726699	Hs.23650	AA396282	6.68	1.00	8.98	2.00	0.00			Brain	Synovial mem	Ovary
14924	1434948	Hs.171595	AA857131	37.40	1.00	37.40	5.00	0.00	X	319.81	Esophagus	LID not found	Other
14931	42330	Hs.23766	R61167	34.27	3.01	11.37	2.00	0.00	14	43.69	Brain	Pool	Germ Cell
14934	786076	Hs.165886	AA448663	58.59	9.60	5.27	1.00	0.00			Testis	Blood	Brain
14935	647444	Hs.86128	AA196566	38.81	1.21	32.04	9.00	8.00			Testis	Brain	LID not found
14937	767133	Hs.120775	AA424544	5.72	1.00	5.72	2.00	0.00			Forekn	Blood	Breast
14943	647598	Hs.177622	AA205638	167.49	23.23	7.21	2.00	0.00	2	355.54	Aorta	Colon	Testis
14950	786109	Hs.21039	AA446827	37.28	7.00	5.33	1.00	0.00	1	397.85	Parathyroid	Aorta	Placenta
14953	767167	Hs.98417	AA424568	6.58	1.00	8.58	2.00	0.00			Parathyroid	Colon	Pool
14956	1435300	Hs.76504	AA857716	96.55	19.55	5.05	1.00	0.00	2	300.43	Cervix	Stomach	Esophagus
14967	647763	Hs.41145	AA205369	6.48	1.59	5.33	1.00	0.00			Ear	Germ Cell	Testis
14971	42485	Hs.101283	R59977	8.00	0.49	16.32	2.00	0.00	3	46.8	Brain	LID not found	Other
14978	764035	Hs.28423	AA443722	63.30	10.06	6.29	1.00	0.00	3	124.84	Ear	Thyroid	Forekn
14983	278198	Hs.46818	N63543	5.82	1.00	5.82	1.00	0.00			CNS	LID not found	Other
14984	427677	Hs.207255	AA01879	200.05	25.29	7.91	2.00	0.00			Pool	LID not found	Other
14988	246360	Hs.58356	W74216	6.05	1.00	6.05	1.00	0.00			Heart	LID not found	Other

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14995	743516	Hs.47152	A4509403	6.68	1.00	0.00	3	CNS	Testis	LID not found
14996	690500	Hs.30793	A4598947	7.27	2.00	0.00	1	440.21 Cervix	Whole embryo/Ovary	LID not found
14999	272338	Hs.48623	N63384	6.97	2.00	0.00	1	245.11 CNS	Testis	LID not found
15000	427859	Hs.120440	AA001917	5.22	1.00	0.00	15	245.5 Cervix	Pool	LID not found
15002	626300	Hs.181461	AA188416	6.48	1.00	0.00	15	245.5 Cervix	Pool	LID not found
15008	927891	Hs.59808	AA001952	9.73	1.00	0.00	15	245.5 Cervix	Pool	LID not found
15014	744395	Hs.7846	AA621202	50.64	9.26	0.00	15	245.5 Cervix	Pool	LID not found
15015	580350	Hs.48607	AA151697	6.82	1.36	0.00	X	356.17 ignore	Ear	CNS
15016	427897	Hs.206430	AA001924	13.96	0.32	0.00	17	482.16 Pool	LID not found Other	CNS
15023	564159	Hs.48924	AA114250	60.61	1.96	0.00	X	271.64 Pooled	Bone	Ear
15027	282000	Hs.47199	N51107	14.59	2.41	0.00	X	CNS	LID not found Other	CNS
15028	346842	Hs.58398	W74818	5.42	1.00	0.00		Heart	LID not found Other	CNS
15035	282013	Hs.161458	N51120	5.23	1.00	0.00		CNS	LID not found Other	CNS
15039	277871	Hs.48943	N64198	30.02	2.91	0.00	17	366.05 Smooth musc	Germ Cell	Whole embryo
15040	784163	Hs.173233	AA446861	21.16	3.94	0.00	12	277.46 Ear	Germ Cell	Whole embryo
15047	282596	Hs.48945	N64247	7.83	1.03	0.00	12	277.46 Ear	Lung	Pool
15056	428747	Hs.60073	AA004651	5.63	2.00	0.00		Placenta	LID not found Other	CNS
15068	841176	Hs.28946	AA487054	6.69	1.00	0.00	11	278.14 Nose	Thyroid	Whole embryo
15062	236661	Hs.39093	H81543	10.27	1.04	0.00	11	278.14 Nose	Thyroid	Whole embryo
15063	838982	Hs.48950	AA487274	22.96	1.00	0.00	19	-8.56 Uterus	Parathyroid	Muscle
15064	429128	Hs.60090	AA004005	21.92	0.80	0.00		CNS	LID not found Other	CNS
15067	283142	Hs.47234	N51335	10.81	1.00	0.00		Pool	Parathyroid	CNS
15068	415417	Hs.161570	W80404	6.32	1.00	0.00		Pool	Parathyroid	CNS
15070	781342	Hs.39132	AA446390	17.24	0.86	0.00	19	-8.56 Uterus	Parathyroid	Muscle
15071	292044	Hs.48968	N64369	5.23	0.85	0.00		CNS	LID not found Other	CNS
15072	429202	Hs.183974	AA005358	5.45	0.87	0.00		Pool	Parathyroid	CNS
15075	296883	Hs.100097	AA171784	5.73	0.10	0.00		Pool	Parathyroid	CNS
15076	263840	Hs.120770	H99768	48.91	4.49	0.00	2	568.11 Ear	Parathyroid	Forsklin
15083	302872	Hs.172321	N91114	7.66	0.53	0.00	11	373.41 CNS	Whole embryo/Heart	Heart
15084	591614	Hs.189016	AA143467	21.11	0.10	0.00	17	96.53 Pancreas	Colon	Heart
15091	731376	Hs.174104	AA16740	20.52	3.69	0.00		Ovary	Brain	Lung
15093	550410	Hs.199847	AA590064	10.18	0.87	0.00		Ovary	LID not found Other	Lung
15097	594806	Hs.73232	AA171426	10.08	1.99	0.00	16	425.28 Tonsil	Eye	LID not found
15101	838853	Hs.190150	AA481788	88.82	1.25	0.00		Eye	Uterus	LID not found
15103	489096	Hs.110284	AA056534	5.00	1.00	0.00	8	477.99 Smooth musc	Gall bladder	Placenta
15104	300012	Hs.77694	N78895	23.68	1.00	0.00	8	477.99 Smooth musc	Gall bladder	Placenta
15110	785836	Hs.99548	AA481489	6.80	1.00	0.00		Testis	LID not found Other	CNS
15116	207864	Hs.186549	H60881	6.63	1.00	0.00	8	425.57 Adipose	Breast	Parathyroid
15119	465383	Hs.40539	AA027049	35.94	4.47	0.00	5	542.07 CNS	Muscle	Uterus
15123	304253	Hs.109144	AA132055	182.68	19.65	0.00	5	Gall bladder	Pool	Uterus
15124	211804	Hs.120592	H71983	46.32	0.81	0.00	5	Gall bladder	Pool	Uterus
15125	782668	Hs.171847	AA447574	15.81	1.00	0.00	5	Tonsil	Testis	Lung
15127	502164	Hs.203465	AA126673	50.93	2.80	0.00	3	340.41 Adrenal gland	Placenta	Uterus
15131	626343	Hs.109150	AA186651	99.86	10.74	0.00	3	67.48 Adipose	Cervix	Parathyroid
15132	213753	Hs.193043	H72322	5.71	1.00	0.00		Pool	LID not found Other	CNS
15133	744605	Hs.88111	AA621291	10.20	0.10	0.00		Cervix	Testis	Breast
15147	280227	Hs.109221	N62271	66.33	7.48	0.00		Tonsil	Pool	LID not found
15148	214382	Hs.167861	H77927	6.25	1.00	0.00		CNS	Tonsil	LID not found
15149	841480	Hs.88780	AA487238	7.44	1.00	0.00	7	Pool	LID not found Other	Breast
15155	288981	Hs.15632	N62712	27.25	1.00	0.00	7	424.67 CNS	Uterus	LID not found
15156	568440	Hs.120580	AA148862	21.48	0.10	0.00	12	487.5 Stomach	Whole embryo/LID not found	Muscle
15158	768275	Hs.178318	AA460846	6.43	1.00	0.00		Whole embryo/LID not found	Uterus	Muscle
15160	839641	Hs.128010	AA490109	8.94	1.00	0.00		Lung	Eye	Brain
15161	583613	Hs.73372	AA176249	8.21	0.46	0.00	1	705.24 Ovary	Testis	LID not found
15162	762526	Hs.80757	AA431776	6.62	1.00	0.00	12	62.09	LID not found Other	Lung
15164	119851	Hs.74085	T94611	8.36	2.00	0.00		62.09	LID not found Other	Lung

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15165	83478	Hs.90063	AA457517	35.09	6.49	5.56	1.00	1.00	6	437.97	Salivary gland	Adipose	CNS
15166	796885	Hs.192695	AA463220	812.26	81.23	7.54	1.00	0.00	4	Whole embryo	LID not found	Other	Lung
15167	897422	Hs.110373	AA489483	24.33	3.46	7.04	2.00	0.00	2	85.75	CNS	Spleen	Pool
15168	277492	Hs.103779	N34500	33.56	6.27	5.35	1.00	0.00	6	92.32	Eye	CNS	Pool
15170	795540	Hs.89487	AA459652	5.12	1.00	6.12	2.00	0.00	6	134.51	Testis	LID not found	Other
15171	244734	Hs.47780	N54321	48.35	5.87	8.24	1.00	0.00	6	182.85	Pool	LID not found	Other
15174	796212	Hs.83714	AA460646	17.04	1.79	9.52	2.00	0.00	16	86.81	Blood	Whole embryo	Heart
15176	753626	Hs.87365	AA479952	11.24	0.71	15.90	1.00	0.00	6	323.74	Forebrain	Pool	Pool
15177	276889	Hs.44847	AA484892	8.34	1.00	8.34	1.00	0.00	6	323.74	CNS	LID not found	Other
15179	768609	Hs.16869	AA478481	125.82	3.00	42.01	13.00	2.00	10	395.16	Bone	Pool	Stomach
15180	665542	Hs.185029	AA195420	7.00	0.74	9.41	2.00	0.00	10	44.65	Heart	LID not found	Other
15181	245125	Hs.193250	N54387	549.95	45.70	12.03	2.00	0.00	11	15.07	Forebrain	Brain	Heart
15185	271487	Hs.169982	N35038	316.92	37.40	8.53	2.00	0.00	1	337.25	Neural	Pool	Pituitary
15187	42008	Hs.26787	R60711	53.25	3.92	13.57	10.00	0.00	1	337.25	Pool	Pool	Pituitary
15190	814286	Hs.78793	AA459993	8.16	0.54	15.10	3.00	0.00	20	106.42	Forebrain	Testis	Heart
15191	753386	Hs.191753	AA410345	16.00	1.51	10.63	3.00	0.00	2	721.23	Whole embryo	LID not found	Other
15192	753663	Hs.101073	AA478606	17.49	3.08	5.07	2.00	0.00	14	10.35	Lymph node	Head and neck	Esophagus
15193	272288	Hs.44737	N35603	6.24	0.55	11.35	2.00	0.00	5	337.25	Pool	CNS	Tonsil
15196	665649	Hs.85805	AA194009	6.01	1.00	6.01	1.00	0.00	12	66.14	Prostate	Prostate	Prostate
15197	245555	Hs.47927	N55171	100.09	7.70	13.00	2.00	0.00	18	347.86	Parathyroid	Parathyroid	Forebrain
15198	647992	Hs.149933	AA468340	45.14	1.99	5.65	2.00	0.00	1	347.86	Muscle	LID not found	Other
15205	245883	Hs.202883	N55381	140.20	18.04	7.77	2.00	0.00	1	194.65	Forebrain	LID not found	Other
15207	726439	Hs.38727	AA439245	14.53	0.43	33.88	9.00	0.00	8	65.2	Parathyroid	Nose	CNS
15213	280022	Hs.23193	AA408599	17.20	1.76	9.76	2.00	0.00	11	131.34	Uterus	LID not found	Other
15215	813169	Hs.10824	AA456318	14.56	0.55	26.47	5.00	3.00	11	20.36	Blood	Lymph	Tonsil
15216	753743	Hs.71986	AA408548	51.46	7.23	7.12	6.00	0.00	5	493.38	Larynx	Ear	Whole embryo
15217	273035	Hs.44844	N39989	510.34	79.38	6.51	2.00	0.00	17	47.86	Forebrain	LID not found	Other
15219	420035	Hs.26615	R59088	25.37	2.00	12.68	6.00	0.00	1	552.97	CNS	Testis	Pool
15223	752625	Hs.206778	AA419608	24.86	2.88	8.89	2.00	0.00	6	360.12	Pool	LID not found	Other
15226	665738	Hs.65662	AA194188	5.00	0.55	9.10	3.00	2.00	19	250.8	Pool	LID not found	Other
15238	328688	Hs.68810	VW45275	185.14	5.76	32.16	17.00	2.00	12	228.02	Testis	Tonsil	LID not found
15239	99877	Hs.198485	R51818	92.26	10.25	9.00	2.00	0.00	11	54.46	CNS	LID not found	Other
15241	277039	Hs.45027	N39577	27.41	5.11	5.36	1.00	1.00	6	121.05	Ignore	Gall bladder	Pituitary
15242	261441	Hs.102383	H88887	94.60	6.35	8.31	1.00	0.00	6	400.23	Spleen	Lymph	Whole embryo
15246	346942	Hs.18079	VW4289	5.59	0.10	55.87	8.00	6.00	1	32.73	Small intestine	Blood	CNS
15247	726483	Hs.180716	AA392689	38.53	2.05	18.84	4.00	0.00	1	123.76	Stomach	Forebrain	Blood
15248	753792	Hs.16262	AA410382	5.25	1.00	5.25	2.00	0.00	7	528.84	Tonsil	Testis	Brain
15250	250668	Hs.102463	N27090	5.66	0.49	11.46	1.00	0.00	13	151.5	Brain	Pool	LID not found
15253	247110	Hs.200451	N57865	603.80	28.40	21.26	2.00	0.00	14	264.26	Small intestine	Ear	Adrenal gland
15254	762275	Hs.124818	AA431748	7.72	1.00	7.72	1.00	0.00	11	315.22	Pool	Thyroid	Lymph
15256	753818	Hs.186541	AA410338	7.74	1.00	7.74	1.00	0.00	2	599.13	Smooth muscle	Bone	Whole embryo
15258	276596	Hs.102520	N34870	6.70	1.11	6.05	1.00	0.00	5	123.76	Stomach	Forebrain	Blood
15263	682066	Hs.4815	AA256462	18.17	1.20	15.14	3.00	0.00	7	528.84	Tonsil	Testis	Brain
15266	796498	Hs.110031	AA460225	38.52	6.79	5.36	1.00	0.00	13	151.5	Brain	Pool	LID not found
15269	813656	Hs.75928	AA447753	12.68	1.76	7.22	3.00	0.00	14	264.26	Small intestine	Ear	Adrenal gland
15271	823716	Hs.100322	AA465653	5.08	1.00	5.08	2.00	0.00	11	315.22	Pool	Thyroid	Lymph
15272	379920	Hs.105097	AA478088	14.28	1.00	14.28	1.00	0.00	2	599.13	Smooth muscle	Bone	Whole embryo
15273	812127	Hs.99401	AA455350	5.32	1.00	5.32	1.00	0.00	5	123.76	Stomach	Forebrain	Blood
15274	796505	Hs.12890	AA460239	22.88	3.15	7.20	3.00	1.00	7	528.84	Tonsil	Testis	Brain
15275	768271	Hs.102564	AA424813	105.24	4.87	22.51	21.00	6.00	13	151.5	Brain	Pool	LID not found
15276	810606	Hs.160948	AA456870	90.34	13.82	8.53	1.00	0.00	14	264.26	Small intestine	Ear	Adrenal gland
15278	35311	Hs.22902	R45404	5.19	0.45	11.53	2.00	0.00	11	315.22	Pool	Thyroid	Lymph
15279	796388	Hs.75113	AA456147	55.47	1.00	55.47	17.00	2.00	11	315.22	Pool	Thyroid	Lymph
15283	763328	Hs.76221	AA424831	18.43	3.56	5.46	1.00	0.00	2	599.13	Smooth muscle	Bone	Whole embryo
15287	796613	Hs.82985	AA461456	157.92	4.42	35.77	12.00	4.00	2	599.13	Smooth muscle	Bone	Whole embryo

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15289 415613	Hs.14896	W00739	33.33	6.40	5.21	0.00	1.00	11	54.46 Breast	CNS	Pod
15291 768347	Hs.180446	AA425008	129.59	25.65	5.05	1.00	0.00	17	331.54	Cervix	Bone
15292 1091543	Hs.177860	AA599311	325.65	42.71	7.53	2.00	0.00	18	348.34 Skin	Colon	LID not found Other
15294 35147	Hs.118336	R45550	10.94	0.75	14.57	1.00	0.00	2	554.03 Brain	Colon	Prostate
15295 1410444	Hs.1257	AA857163	116.11	0.10	1161.05	23.00	6.00	4	Acna	Stomach	Colon
15300 104864	Hs.134561	T78609	43.61	1.87	23.43	3.00	4.00	17	Ear	Whole embryo	Kidney
15306 796531	Hs.210795	AA402260	300.88	43.49	6.92	2.00	0.00	4	46.51 Stomach	Nose	Spleen
15308 120108	Hs.68398	T95053	83.65	11.27	5.57	2.00	0.00	17	104.13 Small intestine	Colon	Cervix
15309 813697	Hs.48500	AA453769	37.83	2.03	18.68	1.00	0.00	4	Pod	LID not found Other	
15315 768394	Hs.105383	AA495909	5.41	1.00	5.41	1.00	0.00	X	246.7 Brain	Lung	LID not found Ovary
15318 35612	Hs.194164	R45827	242.87	19.18	12.66	2.00	0.00	18	481.63 Forebrain	Liver	LID not found Other
15321 812161	Hs.105421	AA456039	12.92	2.01	6.43	1.00	0.00	6	46.24 Brain	Whole embryo	Pool
15328 35725	Hs.21810	R45636	5.03	1.01	5.00	1.00	0.00	18	330.7 Whole embryo	Uterus	Pool
15330 796569	Hs.13872	AA460463	5.05	0.12	41.86	6.00	6.00	6	522.56	Adrenal gland	Brain
15331 768432	Hs.103316	AA495904	31.84	2.80	12.24	7.00	8.00	X	138.55 Ear	Testis	Germ Cell
15332 195751	Hs.12835	R88062	7.34	0.91	8.03	2.00	0.00	5	104.03	Forebrain	Brain
15333 813737	Hs.68808	AA453796	15.53	1.00	15.53	2.00	0.00	5	372.27 Esophagus	Forebrain	Tonsil
15337 812172	Hs.183516	AA456036	8.01	1.54	5.22	1.00	0.00	18	416.07 Thyroid	Eye	Pool
15338 796514	Hs.98540	AA461450	5.40	1.00	5.40	2.00	0.00	11	36.53 Thymus	Heart	Spleen
15343 1469292	Hs.80205	AA683063	24.20	4.50	5.38	0.00	1.00	X	Forebrain	LID not found Other	Whole embryo
15346 214006	Hs.182278	H70775	16.72	0.14	122.53	8.00	6.00	5	102.24 Parathyroid	LID not found Other	
15350 35769	Hs.101191	R45367	71.78	13.63	5.27	1.00	0.00	X	320.23 Pooled	Heart	Placenta
15351 1469377	Hs.79299	AA663469	84.76	6.70	12.65	8.00	2.00	X	313.84 Ear	Placenta	Blood
15355 768469	Hs.38176	W68822	16.18	2.58	5.67	1.00	0.00	X	245.08 CNS	LID not found Other	
15356 239611	Hs.102778	AA495961	14.09	1.00	14.09	4.00	4.00	18	115.51 Lung	LID not found Other	
15363 266897	Hs.43275	H79534	116.97	3.46	33.79	18.00	5.00	5	481.83 Lymph node	Head and neck	CNS
15374 509589	Hs.117079	AA45596	10.31	1.14	9.03	1.00	0.00	15	180.28 Pooled	Forebrain	Skin
15376 321958	Hs.55592	W37733	122.09	22.48	5.43	2.00	0.00	8	474.75	Whole embryo	LID not found Adipose
15378 796262	Hs.17649	AA460875	30.43	2.90	10.49	12.00	0.00	8	440.13 Lymph node	Adipose	Gall bladder
15382 254029	Hs.23843	N22323	49.05	7.51	6.53	8.00	0.00	5	578.04 Whole embryo	Colon	Pancreas
15386 289168	Hs.206507	N68970	56.84	6.65	6.37	1.00	0.00	12	210.09 Parathyroid	CNS	Whole embryo
15388 288028	Hs.207689	N68020	210.76	40.08	5.26	1.00	0.00	10	77.53 Ovary	Lung	Pool
15402 627401	Hs.17639	AA190625	6.03	0.42	14.25	5.00	6.00	16	460.41 Placenta	CNS	Bone
15406 742685	Hs.23769	AA400282	88.29	4.40	20.06	9.00	3.00	3	405.63 Neural	Stomach	Forebrain
15407 897536	Hs.184522	AA468993	13.76	2.41	5.70	2.00	0.00	11	288.08 Cervix	Lymph	LID not found Other
15408 322826	Hs.170268	W45025	480.32	89.38	5.34	1.00	0.00	17	281.02 Nose	Smooth muscle	Stomach
15410 796263	Hs.197335	AA460833	77.82	9.37	8.31	4.00	2.00	12	203.68	Lymph node	Gall bladder
15411 258277	Hs.43429	N23708	7.20	1.00	7.20	1.00	0.00	1	142.28 CNS	LID not found Other	
15422 773443	Hs.23871	AA426022	42.71	1.00	42.71	21.00	4.00	4	201.82 Adrenal gland	Whole embryo	Uterus
15424 328889	Hs.55800	W45330	10.31	1.00	10.31	1.00	0.00	10	254.93	Testis	LID not found Other
15428 488516	Hs.17872	AA044565	11.20	0.55	20.36	8.00	6.00	10		Esophagus	Umbilical cord
15429 302004	Hs.163830	N89735	9.90	1.80	5.62	0.00	1.00	10		Testis	
15430 488499	Hs.188998	AA047462	34.02	6.40	5.32	2.00	1.00	10		Testis	
15434 120271	Hs.17959	T95965	13.36	2.36	5.67	2.00	0.00	3		Testis	
15435 731311	Hs.43496	AA416767	225.10	3.41	66.01	16.00	2.00	11		Testis	
15436 302073	Hs.64635	N89783	5.43	1.00	5.43	2.00	0.00	11		Testis	
15438 608148	Hs.182704	AA164838	12.58	1.62	7.77	1.00	0.00	17		Testis	
15442 842847	Hs.178689	AA468288	7.69	0.00	768772.83	14.00	0.00	17		Testis	
15451 254694	Hs.183219	N25048	42.24	3.07	13.78	3.00	1.00	12		Testis	
15454 897733	Hs.24156	AA398998	238.75	1.67	137.83	0.00	1.00	1		Testis	
15455 280529	Hs.191153	N68001	141.95	12.70	11.18	2.00	0.00	4		Testis	
15459 903863	Hs.103819	AA131240	6.46	1.00	6.46	1.00	0.00	10		Testis	
15465 510532	Hs.63224	AA055607	11.30	1.73	6.54	2.00	0.00	10		Testis	
15466 731043	Hs.67570	AA402180	6.88	0.89	6.61	3.00	0.00	10		Testis	
15472 135811	Hs.93675	R33363	25.44	0.20	124.57	9.00	6.00	10		Testis	
15474 730971	Hs.176058	AA416585	16.39	1.38	11.90	3.00	0.00	10		Testis	

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15465 502056	Hs.71240	AA129758	25.29	4.72	5.35	0.00	1.00	3	213.74	Parathyroid	Uterus	Testis
15469 58581	Hs.103861	AA147044	252.35	44.92	5.75	1.00	0.00	8	41.22	Parathyroid	Kidney	Tonsil
15500 897962	Hs.186808	AA596877	424.46	39.92	10.63	2.00	0.00	11	373.42	Kidney	LID not found	Other
15503 835048	Hs.70337	AA487505	9.38	1.00	9.38	0.00	4.00					
15506 742890	Hs.184811	AA406220	5.50	1.00	5.50	1.00	0.00			Uterus	Pool	LID not found
15507 505454	Hs.103854	AA156433	8.19	1.00	8.19	1.00	0.00	X	245.06	Aorta	Foreskin	Whole embryo
15509 512116	Hs.206507	AA133590	17.48	2.33	7.49	0.00	1.00	5	48.48	Eye	Cervix	Thyroid
15519 200845	Hs.200528	N47524	31.33	3.81	8.22	0.00	1.00	2	724.86	Pool	Brain	LID not found
15520 200828	Hs.103775	R97744	7.14	1.00	7.14	1.00	0.00	1	153.88			
15528 587087	Hs.173704	AA133936	168.80	30.91	5.46	1.00	0.00			Testis	LID not found	Other
15528 730530	Hs.98155	AA412419	11.35	1.46	7.78	1.00	0.00	3	189.24	Brain	Testis	LID not found
15527 781132	Hs.106278	AA429887	8.84	1.00	8.84	2.00	0.00			Testis	Pool	LID not found
15532 743416	Hs.112692	AA609334	8.10	1.00	8.10	1.00	0.00	4	673.59			
15533 511107	Hs.78150	AA084226	468.57	52.86	8.86	4.00	0.00			Testis	Pool	LID not found
15533 742672	Hs.97722	AA401370	110.86	4.72	23.49	10.00	1.00			Testis	Pool	LID not found
15540 743452	Hs.112699	AA609366	9.86	1.00	9.86	1.00	0.00			Testis	Parathyroid	Ovary
15547 593838	Hs.142288	AA168743	1276.25	201.85	6.33	1.00	0.00	12	134.58	Pool	LID not found	Other
15552 211005	Hs.117835	H45773	8.00	1.52	5.28	0.00	0.00	21	152.81	Heart	LID not found	Other
15554 346055	Hs.59201	W72068	5.44	1.00	5.44	2.00	0.00	1	151.21	Cervix	Spleen	Brain
15556 898228	Hs.171933	AA598615	24.83	1.80	13.83	1.00	2.00			Thyroid	Prostate	-
15559 796408	Hs.72680	AA459945	10.58	0.10	105.76	9.00	0.00	3	173.37	Eye	Kidney	Testis
15562 200826	Hs.170052	N50875	176.52	19.73	8.95	2.00	0.00	4	678.51	Aorta	Germ Cell	Breast
15562 415413	Hs.73580	W61117	24.43	4.64	5.05	1.00	0.00			Testis	LID not found	Other
15565 140128	Hs.116815	R65598	31.80	3.05	10.42	3.00	0.00	8	118.53	Pool	Brain	Germ Cell
15570 148257	Hs.112893	AA620736	6.67	1.29	5.17	1.00	0.00			Pool	LID not found	Other
15582 248258	Hs.94100	N58486	451.08	32.87	13.72	2.00	0.00	5	137.8	Uterus	LID not found	Other
15583 43022	Hs.7132	R60152	9.08	1.21	7.49	1.00	0.00	6	409.73			
15583 505341	Hs.139077	AA159233	154.72	14.17	10.92	2.00	0.00			Testis	Thymus	Adrenal gland
15586 306893	Hs.167110	R42187	18.25	2.09	8.74	3.00	0.00			Adipose	Gall bladder	Uterus
15593 241705	Hs.771	H91680	81.33	12.44	6.54	1.00	1.00			Pleocenta	LID not found	Other
15593 049282	Hs.112895	AA620746	7.40	1.00	7.40	1.00	0.00	12	398.06	Small intestine/brain	CNS	
15596 726571	Hs.8203	AA398129	111.94	21.88	5.19	1.00	0.00	7	456.74	Adrenal gland	Brain	Testis
15597 144858	Hs.138365	R75865	10.75	1.00	10.75	2.00	0.00	11	367.35	Pool	LID not found	Other
15599 288814	Hs.167753	N62606	6.72	1.00	6.72	1.00	0.00			Far	LID not found	Other
15600 290199	Hs.12836	N64374	93.07	4.85	19.20	13.00	2.00			Esophagus	Umbilical cord	
15607 35812	Hs.12378	R45615	12.19	0.97	12.63	2.00	0.00	5	524.57	Pool	LID not found	Other
16013 185888	Hs.192023	R91401	835.50	86.04	9.71	2.00	0.00	10	363.2	Ear	Brain	Breast
16014 265155	Hs.173560	N71970	49.47	5.86	8.44	9.00	0.00	17	375.84	Pool	LID not found	Other
16020 707268	Hs.14089	AA418395	72.97	6.58	11.10	1.00	1.00			Brain	Breast	Uterus
16022 296768	Hs.176452	N74075	60.38	3.15	19.18	10.00	0.00	19	281.83	Pool	LID not found	Other
16024 42868	Hs.203300	R61311	99.52	14.86	6.63	1.00	0.00			Parathyroid	LID not found	Other
16025 415185	Hs.207701	W93407	158.31	31.14	5.08	1.00	0.00	X	245.06	Pool	LID not found	Other
16033 416407	Hs.181579	W96875	42.23	6.89	6.05	1.00	0.00	10	104.78	Lung	LID not found	Other
16036 753038	Hs.23131	AA438480	11.87	0.55	21.77	2.00	0.00	11	315.22	Brain	LID not found	Other
16037 209417	Hs.192860	R97240	389.23	37.94	10.25	2.00	0.00	2	357.28	Adipose	Prostate	Pancreas
16038 305243	Hs.94486	N95007	5.17	0.97	5.34	1.00	0.00	7	683.81	Germ Cell	Testis	LID not found
16041 325513	Hs.103092	W52248	372.20	73.84	5.03	1.00	0.00			Pool	LID not found	Other
16045 201551	Hs.206507	R97870	1160.17	184.27	5.87	2.00	0.00	6	531.76	-	Foreskin	Whole embryo
16046 306621	Hs.94488	N85041	93.00	10.16	9.15	2.00	0.00	7	216.91	Brain	Eye	LID not found
16048 38369	Hs.13314	R62461	49.61	8.18	6.06	1.00	0.00			Spleen	Umbilical cord	Synovial mem
16053 788445	Hs.9388	AA489938	14.19	1.00	14.19	5.00	2.00			Adipose	Umbilical cord	Umbilical cord
16054 786234	Hs.110347	AA478442	20.85	5.66	5.10	1.00	0.00			Pool	LID not found	Other
16055 647816	Hs.147264	AA205320	14.57	1.00	14.57	4.00	1.00			Testis	LID not found	Other
16056 481425	Hs.154158	AA705225	220.64	19.88	11.04	8.00	0.00			Pool	LID not found	Other
16057 787181	Hs.135141	AA425474	38.47	3.66	10.50	11.00	1.00			Pool	LID not found	Other
16058 42389	Hs.106675	R69992	106.89	20.21	5.24	1.00	0.00			Pool	LID not found	Other
16060 1435862	Hs.177643	AA937895	320.48	9.14	35.07	11.00	5.00			Pool	LID not found	Other

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15661 758448	Hs.26714	A0485918	8.68	0.51	17.25	1.00	0.00	14	19.23 Brain	Parathyroid	Lung	Uterus
15663 947842	Hs.78546	AA255072	765.89	86.07	6.91	2.00	0.00		Pect	Lung	LID not found	Testis
15665 787190	Hs.98418	AA424579	8.04	1.31	6.16	1.00	0.00	5	128.23 CNS	Bone	Pancreas	Brain
15667 42400	Hs.46637	R69348	25.60	3.01	8.51	3.00	0.00	11	47.21 Umbilical cord	Spleen	Brain	Brain
15670 789285	Hs.173416	AA451844	103.35	4.63	22.32	19.00	1.00	1	639.73 CNS	Adrenal gland	Eye	Kidney
15675 42415	Hs.106794	R69381	10.38	0.55	18.87	4.00	1.00	4	503.69 Bone	Brain	Brain	Pool
15683 42338	Hs.22688	R61780	6.73	0.55	12.23	1.00	0.00	9	381.15 Head and neck	Muscle	Uterus	Pool
15685 765466	Hs.126539	AA485950	81.38	10.50	7.75	2.00	0.00		CNS	Germ Cell	Pool	Pool
15688 487297	Hs.173493	AA043500	27.57	3.15	8.74	1.00	0.00	5	314.6 Adrenal gland	Tonsil	Parathyroid	Parathyroid
15690 726781	Hs.95587	AA398406	50.81	0.55	82.38	9.00	6.00	8	476.7 Breast	Uterus	Tonsil	Kidney
15693 768470	Hs.24895	AA485852	6.91	1.00	6.91	2.00	0.00	1	695.02 Pooled	Testis	Kidney	Brain
15694 768283	Hs.169833	AA451851	33.14	3.48	9.52	9.00	2.00	12	347.38 Kidney	Pool	Lung	Colon
15695 648046	Hs.206527	AA206514	235.50	0.85	273.78	9.00	6.00	20	18.41 Parathyroid	CNS	Colon	LID not found
15698 726797	Hs.197565	AA398321	6.88	0.11	60.34	7.00	6.00	3	20.38 Neural	Cervix	Parathyroid	Germ Cell
15700 1473421	Hs.8284	AA816413	48.34	8.44	5.73	1.00	0.00	X	263.18 Brain	Quary	Testis	Testis
15703 648056	Hs.104146	AA208855	14.95	2.73	5.47	1.00	0.00	2	110.83 Small intestine	Adipose	LID not found	Gall bladder
15704 462926	Hs.153704	AA623321	22.22	3.80	5.85	1.00	0.00	11	247.88 Blood	Uterus	Muscle	Muscle
15705 767261	Hs.63593	AA416403	10.03	0.10	100.26	9.00	6.00	9	350.75 Esophagus	Parathyroid	Cervix	Parathyroid
15707 43072	Hs.26009	R61871	5.55	0.62	8.91	1.00	0.00	11	-7.38 Whole embryo	Testis	Placenta	Placenta
15711 547186	Hs.68138	AA084323	6.78	1.00	6.76	1.00	0.00	13	278.72 Cervix	Eye	Whole embryo	Whole embryo
15712 471725	Hs.198443	AA035450	75.83	2.47	30.70	13.00	5.00	1	730.15 CNS	Heart	Testis	LID not found
15713 767262	Hs.46784	AA416392	13.08	1.72	7.59	2.00	0.00	X	283.18 CNS	LID not found	Other	Other
15715 42864	Hs.168825	R61877	14.70	1.68	9.45	7.00	3.00	9	26.28 Gall bladder	Aorta	Placenta	Placenta
15717 765508	Hs.8536	AA485991	6.84	1.10	6.03	1.00	0.00	22	124.12	Whole embryo	Pooled	Whole embryo
15718 765286	Hs.99253	AA451859	5.40	0.10	54.01	2.00	0.00	4	187.96 Foreskin	Pool	LID not found	LID not found
15720 488523	Hs.103419	AA043280	148.41	18.55	8.00	1.00	0.00	16	402.42 Pancreas	CNS	Breast	Breast
15728 489533	Hs.110849	AA088886	17.92	3.41	5.28	1.00	0.00	10	550.76 Pool	CNS	LID not found	LID not found
15729 767273	Hs.46489	AA416408	8.82	0.28	31.32	1.00	0.00		CNS	LID not found	Other	Other
15741 768573	Hs.87016	AA425107	47.04	4.97	9.48	6.00	2.00	5	283.48 Eye	Heart	LID not found	LID not found
15743 688162	Hs.11252	AA598538	93.47	9.16	10.20	4.00	0.00	11	299.09 Neural	Smooth musc	Tonsil	Tonsil
15754 784160	Hs.28674	AA468555	11.24	0.99	11.37	3.00	1.00	6	613.2 Cervix	Aorta	Muscle	Muscle
15760 827002	Hs.80178	AA180843	127.64	24.38	5.25	1.00	0.00	3	500.21 Ear	CNS	LID not found	Whole embryo
15764 347488	Hs.142019	W81656	28.33	1.66	17.87	11.00	1.00	1	48.8 Breast	Muscle	Testis	Testis
15766 277226	Hs.40163	AA10113	6.30	0.47	13.48	3.00	0.00	9	382.99			
15768 428447	Hs.60243	AA007826	53.59	7.57	7.09	2.00	0.00					
15771 278102	Hs.47322	N51708	5.42	1.00	5.42	0.00	1.00	X				
15780 346997	Hs.58569	W79445	536.24	1.33	351.34	23.00	6.00	9				
15782 468390	Hs.40342	AA046650	73.18	11.45	6.39	3.00	0.00	22				
15790 798152	Hs.173538	AA481078	128.39	3.85	32.76	20.00	2.00	14				
15792 430221	Hs.80380	AA010360	5.99	1.00	5.99	1.00	0.00	4				
15795 282339	Hs.76019	N51972	6.40	1.57	5.35	1.00	0.00	16				
15798 280436	Hs.58560	W79459	6.78	1.00	6.78	2.00	0.00					
15799 280436	Hs.48001	N84529	6.65	1.59	5.44	0.00	1.00	10				
15800 430255	Hs.60389	AA010383	9.05	0.10	90.50	8.00	6.00					
15803 282481	Hs.47402	N52039	133.96	13.48	9.84	2.00	0.00					
15807 289523	Hs.49016	N84603	6.02	1.00	6.02	1.00	0.00					
15811 282489	Hs.47403	N52043	6.37	1.00	8.37	1.00	0.00					
15812 347068	Hs.58588	W79525	6.51	1.00	6.51	1.00	0.00					
15814 220059	Hs.40672	H85434	81.15	12.74	6.37	2.00	0.00	5				
15816 594288	Hs.29417	AA184494	20.61	4.02	5.12	1.00	0.00	11				
15820 626583	Hs.58588	AA181673	38.45	1.00	38.45	5.00	2.00	6				
15828 347182	Hs.173080	W80811	5.92	0.55	10.22	6.00	4.00					
15834 490055	Hs.29804	AA121986	9.35	1.00	9.35	1.00	0.00	3				
15835 283401	Hs.47539	N52780	5.77	1.00	5.77	1.00	0.00					
15836 626328	Hs.58808	AA188819	17.09	3.39	6.04	1.00	0.00	1				
15838 797000	Hs.101117	AA483500	5.54	0.55	10.07	3.00	1.00					
15841 743582	Hs.195161	AA009460	7.73	1.28	6.04	1.00	0.00	9				

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15943	743602	Hs.167805	M49717	21.85	2.13	10.28	1.00	0.00	10	188.13	Small intestine	Synovial mem	Cervix
15944	773873	Hs.400093	A4433916	86.68	11.03	6.04	1.00	0.00	5	501.96	Pituitary	Adipose	Adipose
15947	509438	Hs.208501	A4056375	33.44	5.35	6.63	3.00	0.00	12	244.17	Pituitary	Adipose	Adipose
15950	784010	Hs.208507	A4433935	153.08	23.34	6.58	1.00	0.00	16	162.07	Blood	Whole embryo	LID not found
15953	286661	Hs.90250	N67891	17.28	1.75	9.90	2.00	0.00	4	558.06	Ear	Germ Cell	Heart
15955	376435	Hs.110408	A4039713	6.79	1.81	5.43	1.00	0.00	6	586.92	Pooled	Smooth muscle	CNS
15959	324856	Hs.108284	W48585	15.33	2.89	5.30	1.00	0.00	5	395.09	Eye	Uterus	Parathyroid
15961	474783	Hs.187497	A4046705	14.07	2.81	5.38	1.00	0.00	5	395.09	Eye	Uterus	Parathyroid
15965	612613	Hs.151854	A4178392	160.45	25.68	6.25	1.00	0.00	11	248.39	CNS	Whole embryo	LID not found
15966	784122	Hs.98780	A4433051	7.51	1.28	5.88	1.00	0.00	11	248.39	CNS	Whole embryo	LID not found
15967	743519	Hs.168819	A4603415	6.54	1.00	6.54	1.00	0.00	11	248.39	CNS	Whole embryo	LID not found
15969	840786	Hs.90725	A4466084	28.77	5.74	5.01	2.00	0.00	1	553.12	Testis	Parathyroid	Whole embryo
15971	118478	Hs.110422	T82561	12.89	1.77	7.30	1.00	0.00	1	553.12	Testis	Parathyroid	Whole embryo
15975	501453	Hs.193312	A4115504	6.22	1.00	6.22	1.00	0.00	1	553.12	Testis	Parathyroid	Whole embryo
15978	72804	Hs.121276	A4405815	15.39	3.10	5.03	1.00	0.00	5	527.16	Synovial mem	Small intestine	Parathyroid
15988	1031497	Hs.161451	A4609246	6.33	1.00	6.33	1.00	0.00	5	527.16	Synovial mem	Small intestine	Parathyroid
15993	120528	Hs.90953	T95320	50.78	8.84	5.88	2.00	0.00	5	527.16	Synovial mem	Small intestine	Parathyroid
15994	261472	Hs.100132	H99035	131.59	19.42	6.77	1.00	0.00	5	527.16	Synovial mem	Small intestine	Parathyroid
15995	110722	Hs.177861	T90546	6.74	1.00	6.74	1.00	0.00	5	527.16	Synovial mem	Small intestine	Parathyroid
15996	1048694	Hs.115891	A4620607	24.58	1.00	24.58	1.00	0.00	10	336.88	Stomach	Ear	Adipose
15998	730732	Hs.98855	A4433885	21.89	4.23	5.17	0.00	1.00	10	336.88	Stomach	Ear	Adipose
15999	784785	Hs.100261	A4447504	89.59	1.56	57.43	17.00	2.00	10	336.88	Stomach	Ear	Adipose
15911	298162	Hs.160080	N70791	5.75	1.00	5.75	2.00	0.00	8	144.34	Pool	Kidney	Testis
15912	1056281	Hs.179694	A4621076	7.38	1.00	7.38	2.00	0.00	8	144.34	Pool	Kidney	Testis
15915	416113	Hs.106333	W85900	197.22	4.22	46.73	21.00	6.00	14	219.18	Testis	Prostate	LID not found
15920	1049185	Hs.112208	A4620607	7.39	1.00	7.39	2.00	0.00	14	219.18	Testis	Prostate	LID not found
15922	757385	Hs.187247	A4437124	116.62	16.42	7.10	2.00	0.00	14	219.18	Testis	Prostate	LID not found
15925	785128	Hs.91567	A4460977	7.14	0.49	14.54	1.00	0.00	18	65.65	Lymph	Germ Cell	Heart
15929	737143	Hs.76277	A4443938	27.34	0.52	52.41	14.00	6.00	7	133.06	CNS	LID not found	Other
15930	757386	Hs.98936	A4437133	6.67	1.00	6.67	2.00	0.00	7	133.06	CNS	LID not found	Other
15941	247778	Hs.161478	N57954	8.70	1.60	5.44	1.00	0.00	18	65.65	Lymph	Germ Cell	Heart
15944	753846	Hs.19015	A4479109	76.88	10.18	7.52	2.00	0.00	7	133.06	CNS	LID not found	Other
15950	1033342	Hs.195854	A4621361	635.67	85.34	6.67	2.00	0.00	21	217.43	Pool	LID not found	Other
15954	283833	Hs.102878	N52883	112.98	16.73	6.67	2.00	0.00	21	217.43	Pool	LID not found	Other
15956	665059	Hs.104091	A4193503	8.57	1.55	5.51	1.00	0.00	5	355.29	Pool	LID not found	Other
15957	247862	Hs.191356	N58278	85.25	0.28	325.62	9.00	6.00	5	355.29	Pool	LID not found	Other
15958	1039535	Hs.112506	A4608769	7.74	1.00	7.74	1.00	0.00	10	421.81	Testis	Kidney	Whole embryo
15963	48658	Hs.116122	H14604	8.54	0.31	26.85	1.00	0.00	5	138.83	Tonsil	Forebrain	Kidney
15967	767641	Hs.204345	A4418283	26.53	4.47	5.93	2.00	0.00	5	138.83	Tonsil	Forebrain	Kidney
15968	753975	Hs.105029	A4478951	8.07	1.26	6.39	2.00	0.00	10	540.8	Placenta	Heart	Testis
15971	687872	Hs.171391	A4236888	5.84	0.55	10.62	5.00	6.00	10	540.8	Placenta	Heart	Testis
15981	246797	Hs.44382	N59432	582.32	88.63	6.84	2.00	0.00	3	404.13	Breast	Eye	Heart
15984	753982	Hs.102780	N65578	14.17	1.81	39.56	17.00	4.00	3	404.13	Breast	Eye	Heart
15986	292637	Hs.115726	A4508832	5.09	0.10	50.95	7.00	6.00	X	283.18	Pool	LID not found	Other
15990	1030813	Hs.82085	A4235643	89.61	11.34	8.67	2.00	0.00	4	671.42	CNS	LID not found	Other
16001	282881	Hs.49477	N45115	10.53	1.00	10.53	2.00	0.00	2	97.97	Testis	Whole embryo	LID not found
16002	325520	Hs.103093	W52353	186.45	30.84	5.43	1.00	0.00	11	47.28	Umbilical cord	Eye	Prostate
16011	726945	Hs.177936	A4396015	11.69	1.72	6.79	2.00	0.00	11	47.28	Umbilical cord	Eye	Prostate
16015	788555	Hs.169341	A4448837	35.49	6.19	5.73	1.00	0.00	11	47.28	Umbilical cord	Eye	Prostate
16016	754002	Hs.85591	A4478872	14.78	1.69	8.76	2.00	0.00	11	47.28	Umbilical cord	Eye	Prostate
16017	285028	Hs.46465	N45201	8.03	1.00	8.03	2.00	0.00	10	458.47	Small intestine	Spleen	Other
16022	1048602	Hs.112605	A4608863	14.23	1.53	9.33	1.00	0.00	10	458.47	Small intestine	Spleen	Other
16028	415525	Hs.194862	W60375	12.44	1.00	12.44	1.00	2.00	17	20.4	CNS	LID not found	Other
16028	52477	Hs.187030	A4255551	7.58	1.23	6.17	1.00	0.00	17	20.4	CNS	LID not found	Other
16028	284724	Hs.48703	N63062	16.11	1.00	16.11	3.00	1.00	17	20.4	CNS	LID not found	Other
16030	1048617	Hs.112609	A4608863	8.87	0.59	11.72	1.00	0.00	17	20.4	CNS	LID not found	Other



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16037 813807	Hs.97176	AA447724	21.72	0.55	39.49	7.00	3.00	Thymus	Pool	Breast
16039 1470333	Hs.24957	AA866113	10.35	0.00	1004523.76	14.00	0.00	Whole embryo	Pool	Germ Cell
16041 817197	Hs.59404	AA456057	8.05	0.80	10.07	1.00	0.00	Kidney	Pool	LID not found
16042 796552	Hs.69977	AA460543	14.46	1.66	9.30	2.00	0.00	Whole embryo	Tonsil	Germ Cell
16044 202959	Hs.116208	Hs.54333	120.54	22.71	5.31	2.00	0.00	135.17 Blood	Lymph	Tonsil
16048 432194	Hs.6413	AA670414	38.82	1.34	27.49	10.00	1.00	24.51 Epididymis	Omentum	Larynx
16050 796959	Hs.97932	AA461465	7.59	0.63	12.12	1.00	0.00	Whole embryo	Bone	Pool
16051 768579	Hs.107040	AA425058	9.32	1.64	6.05	1.00	0.00	Lung	Brain	Spleen
16052 713507	Hs.182740	H72098	34.70	2.21	15.70	11.00	0.00	327.05 Small intestine	Liver	Spleen
16054 355375	Hs.103607	R45984	21.61	3.89	5.42	2.00	0.00	137.54 Parathyroid	Germ Cell	Lymph
16055 1470048	Hs.77687	AA865464	37.10	0.55	67.46	9.00	6.00	Ovary	Pancreas	Stomach
16058 26758	Hs.21417	QC8505	7.25	0.13	55.73	1.00	0.00	295.78 Whole embryo	Kidney	Brain
16061 813638	Hs.63135	AA447777	6.09	0.89	6.83	2.00	0.00	Kidney	Whole embryo	Pancreas
16063 1475633	Hs.110796	AA872001	140.17	14.76	9.50	9.00	2.00	579.17 Marrow	Synovial mem	Lymph
16064 433513	Hs.113166	AA700631	11.08	2.05	5.42	1.00	0.00	Colon	Testis	Brain
16067 768590	Hs.123039	AA425116	24.97	0.53	47.29	9.00	6.00	363.82 Ear	Adipose	Thyroid
16075 768543	Hs.92381	AA425830	132.06	22.99	5.74	1.00	1.00	720.64 Liver	Pool	LID not found
16078 247241	Hs.12230	N54053	6.95	1.00	6.95	1.00	0.00	152.79 CNS	Brain	LID not found
16078 35567	Hs.26354	R45987	8.43	0.89	6.48	1.00	0.00	Placenta	Brain	LID not found
16080 436094	Hs.101850	AA700632	418.78	4.04	103.59	9.00	5.00	Brain	Brain	LID not found
16084 141221	Hs.128811	R87378	5.28	1.00	5.28	2.00	0.00	38.45 Muscle	Umbilical cord	Adipose
16087 1475596	Hs.180986	AA873885	6.78	1.00	6.78	0.00	1.00	Germ Cell	Breast	Whole embryo
16094 35807	Hs.159768	R46003	21.73	4.11	5.29	0.00	1.00	Pool	LID not found	Other
16095 1475738	Hs.113028	AA872704	2723.27	421.22	6.47	0.00	1.00	235.97 Brain	LID not found	Other
16096 435341	Hs.174044	AA870036	26.34	1.65	16.07	4.00	4.00	642.34 Placenta	Eye	Testis
16103 1475746	Hs.180248	AA873762	78.95	6.41	12.32	3.00	0.00	123.18 Uterus	Tonsil	Brain
16105 812281	Hs.99391	AA465071	8.43	1.00	8.43	2.00	0.00	Muscle	Heart	Kidney
16107 63119	Hs.106233	R15885	8.63	1.00	6.85	1.00	0.00	141.87 Testis	Brain	Lung
16108 148444	Hs.107752	H12320	431.92	72.89	5.93	1.00	0.00	162.89 Blood	Whole embryo	Lymph
16110 36367	Hs.23945	R62460	37.61	5.42	6.98	12.00	0.00	82.43 Thymus	Esophagus	Lymph
16113 812277	Hs.21746	AA455078	29.71	4.43	8.70	0.00	1.00	367.53 Liver	Uterus	Bone
16115 63022	Hs.21746	R15980	5.56	0.84	8.68	1.00	0.00	236.81 Brain	Whole embryo	Uterus
16118 154600	Hs.80776	R55490	13.05	1.87	8.62	1.00	0.00	Colon	Colon	Blood
16119 1476065	Hs.159275	AA87044	25.90	4.20	8.17	1.00	0.00	374.6 Ear	Blood	LID not found
16119 1476065	Hs.81915	AA873060	455.78	66.38	6.87	4.00	0.00	333.64 Nose	LID not found	Other
16120 447167	Hs.84229	AA702973	9.06	0.84	9.63	4.00	3.00	Uterus	Ovary	Other
16121 812283	Hs.81408	AA455082	14.77	0.83	15.88	2.00	0.00	210.45 Liver	CNS	Tonsil
16124 176117	Hs.203238	H61117	6.47	0.00	647263.08	2.00	0.00	Ear	Umbilical cord	Skin
16128 450152	Hs.117313	AA703449	7.44	0.22	34.54	5.00	6.00	Parathyroid	Pool	Brain
16130 595697	Hs.18457	AA167382	9.78	1.73	5.64	1.00	0.00	416.42 Placenta	Ovary	Prostate
16131 254749	Hs.177327	N25085	231.79	33.81	6.65	1.00	0.00	Prostate	Testis	Blood
16136 504810	Hs.204184	AA152351	14.08	1.00	14.08	1.00	2.00	598.83	CNS	LID not found
16140 302541	Hs.58609	N90208	31.27	4.99	6.27	1.00	0.00	11.91 Prostate	Ovary	Parathyroid
16143 283312	Hs.153958	N45313	302.46	50.31	6.01	2.00	0.00	635.66 Small intestine	Nose	Thyroid
16150 828001	Hs.24341	AA187933	135.63	23.33	5.81	2.00	0.00	703.17 Thymus	Whole embryo	LID not found
16164 305851	Hs.54618	N90403	10.87	1.68	6.47	1.00	0.00	Placenta	Whole embryo	Parathyroid
16166 553751	Hs.24478	AA165400	236.70	42.99	5.51	2.00	0.00	Stomach	Adrenal gland	Placenta
16168 757435	Hs.55599	AA437224	32.02	3.24	9.88	6.00	2.00	703.17 Thymus	Whole embryo	Parathyroid
16182 877634	Hs.24650	AA468178	44.88	7.04	6.34	1.00	0.00	Tonsil	Colon	Heart
16183 279484	Hs.48550	AA46794	168.77	28.34	6.95	2.00	0.00	Testis	Pool	LID not found
16188 810027	Hs.18945	AA455275	7.26	0.11	63.36	5.00	6.00	11.91 Prostate	Ovary	Parathyroid
16188 734180	Hs.24715	AA446851	60.22	8.44	7.14	3.00	0.00	635.66 Small intestine	Nose	Thyroid
16200 324897	Hs.56044	W45670	6.16	1.00	6.16	1.00	0.00	703.17 Thymus	Whole embryo	Parathyroid
16203 322005	Hs.43845	W37418	27.10	4.52	6.00	1.00	0.00	Stomach	Adrenal gland	Placenta
16214 595695	Hs.24765	AA173169	61.17	8.80	9.00	2.00	0.00	Tonsil	Colon	Heart
16216 340719	Hs.153083	W53256	5.31	0.22	23.94	1.00	0.00	Testis	Pool	LID not found
16219 257249	Hs.101389	N28508	187.38	24.01	6.97	1.00	0.00			

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16222	87684	Hs.24790	AA58639	32.97	5.08	6.50	0.00	2.00	0.00	CNS	Kidney	Parathyroid
16224	340906	Hs.56178	W65783	5.24	1.00	5.24	1.00	0.00	0.00	Heart	LID not found	Other
16225	842638	Hs.63967	AA466276	63.57	8.00	7.95	2.00	0.00	0.00	46.8 Epididymis	Marrow	Nose
16232	228682	Hs.117846	H67802	5.21	0.89	7.60	1.00	0.00	0.00	590.19 Pool	LID not found	Other
16233	951128	Hs.63908	AA620546	50.55	8.33	5.42	1.00	0.00	0.00	241.69 Stomach	Bone	Blood
16235	842840	Hs.183673	AA486277	175.81	15.00	11.73	5.00	1.00	0.00	678.07	LID not found	Other
16237	503864	Hs.114444	AA131700	5.45	0.24	22.85	1.00	0.00	0.00	Uterus	LID not found	Other
16243	626908	Hs.104072	AA191404	69.85	11.20	5.34	1.00	0.00	0.00	Cervix	Pool	LID not found
16244	743150	Hs.184780	AA401311	8.30	1.84	5.07	1.00	0.00	0.00	Testis	Colon	LID not found
16251	843150	Hs.104073	AA486351	55.82	5.06	11.00	2.00	0.00	0.00	Testis	LID not found	Other
16254	730871	Hs.98186	AA417025	13.46	2.63	5.12	1.00	0.00	0.00	Ignore	CNS	Kidney
16255	420093	Hs.103441	AA007587	54.32	8.63	5.64	0.00	1.00	0.00	Testis	Lung	LID not found
16260	951016	Hs.112861	AA620418	8.49	1.00	8.49	2.00	0.00	0.00	Heart	Pool	Brain
16265	365058	Hs.65009	AA025055	6.28	1.00	8.28	2.00	0.00	0.00	Testis	Pool	LID not found
16269	744365	Hs.112950	AA621200	5.51	1.00	5.51	2.00	0.00	0.00	318.02 Colon	LID not found	Other
16269	587268	Hs.71499	AA132660	6.24	1.00	6.24	1.00	0.00	0.00	136.57 Pool	LID not found	Other
16272	195035	Hs.117879	H62812	144.49	11.49	12.58	2.00	0.00	0.00	Uterus	Unilateral cord blood	
16273	624867	Hs.65021	AA181898	43.20	3.86	11.19	5.00	0.00	0.00	Prostate	Testis	LID not found
16276	744827	Hs.112958	AA621310	9.55	1.00	9.55	2.00	0.00	0.00	633.82 Pancreas	Uterus	Lung
16277	502531	Hs.71528	AA134595	15.36	2.57	5.98	3.00	1.00	0.00	Cervix	Plecenta	LID not found
16279	139304	Hs.184907	R63714	155.10	8.12	17.02	3.00	1.00	0.00	Testis	Pool	LID not found
16284	744941	Hs.112870	AA621313	5.82	1.00	5.82	2.00	0.00	0.00	263.38 Testis	Pool	LID not found
16286	197033	Hs.117887	R66198	562.33	48.77	11.30	2.00	0.00	0.00	Testis	Pool	LID not found
16290	743193	Hs.07740	AA401436	6.60	1.00	6.60	1.00	0.00	0.00	443.1 Blood	Tonsil	Lymph
16292	121633	Hs.113025	T97598	12.50	1.00	12.50	2.00	0.00	0.00	Testis	LID not found	Other
16294	731154	Hs.88209	AA417211	5.38	1.00	5.38	2.00	0.00	0.00	Pool	Forekin	Whole embryo
16296	195941	Hs.206554	R92199	99.84	14.56	8.06	1.00	0.00	0.00	Aorta	LID not found	Other
16303	337190	Hs.206507	W92544	471.01	58.60	8.04	2.00	0.00	0.00	Pool	LID not found	Other
16304	235627	Hs.117889	H78411	49.18	5.47	8.00	1.00	0.00	0.00	Testis	LID not found	Other
16306	126059	Hs.26630	R08729	48.31	1.00	48.31	13.00	1.00	0.00	Eye	LID not found	Other
16314	742705	Hs.07745	AA400101	98.81	10.09	9.79	3.00	0.00	0.00	543.92	Bone	Breast
16317	565947	Hs.161651	AA138540	36.74	3.58	10.26	2.00	0.00	0.00	271.02	LID not found	Other
16319	627039	Hs.8850	AA180983	44.94	1.35	28.65	12.00	3.00	0.00	557.94 Pool	LID not found	Other
16321	66734	Hs.126087	T64896	75.71	14.18	5.34	1.00	0.00	0.00	Head and nec	Unilateral cord blood	
16324	623755	Hs.180378	AA460243	56.74	6.46	8.79	3.00	0.00	0.00	130.93 Brain	LID not found	Other
16326	323041	Hs.206633	W42450	322.08	13.61	20.63	2.00	0.00	0.00	437.81	LID not found	Other
16328	212441	Hs.199821	H68380	583.50	92.93	6.06	2.00	0.00	0.00	Pool	LID not found	Other
16332	796598	Hs.8054	AA461443	68.34	5.59	12.23	1.00	0.00	0.00	Head and nec	Unilateral cord blood	
16334	324811	Hs.143548	W49559	11.90	2.26	5.27	1.00	0.00	0.00	130.93 Brain	LID not found	Other
16336	29583	Hs.13333	R42218	208.26	32.57	8.39	2.00	0.00	0.00	437.81	LID not found	Other
16337	501934	Hs.79061	AA129931	122.13	18.51	8.60	1.00	0.00	0.00	Pool	LID not found	Other
16338	417691	Hs.59190	W08623	8.08	0.77	10.49	1.00	0.00	0.00	Testis	LID not found	Other
16339	1055543	Hs.112911	AA620821	5.68	1.00	5.66	2.00	0.00	0.00	153.89 Pool	LID not found	Other
16341	208789	Hs.161016	H63241	414.28	45.31	9.14	2.00	0.00	0.00	Pool	LID not found	Other
16348	1055584	Hs.59332	W930735	8.60	1.22	5.42	1.00	0.00	0.00	Testis	LID not found	Other
16348	785571	Hs.13015	AA448438	5.48	1.00	5.48	2.00	0.00	0.00	125.68 Thymus	Forekin	Parathyroid
16351	43733	Hs.59549	H04789	87.10	7.89	11.04	8.00	0.00	0.00	74.75 Breast	Prostate	Colon
16354	337165	Hs.59471	W93386	12.73	2.41	5.29	1.00	0.00	0.00	Heart	LID not found	Other
16357	233942	Hs.181020	H68122	60.90	11.25	7.19	2.00	0.00	0.00	101.02 Pool	LID not found	Other
16365	337785	Hs.607	W95595	9.67	1.54	6.41	1.00	0.00	0.00	118.31 Larynx	Heart	Parathyroid
16368	30613	Hs.13526	R41600	12.42	1.86	8.70	2.00	0.00	0.00	409.32 Bone	Brain	Tonsil
16369	122241	Hs.1390	T90683	303.61	48.62	8.23	1.00	0.00	0.00	111.21 Peripheral nec	Larynx	Head and neck
16371	105668	Hs.112924	AA620947	8.23	1.00	8.23	1.00	0.00	0.00	Testis	LID not found	Other
16372	786850	Hs.121446	AA460542	243.58	21.32	11.43	7.00	0.00	0.00	482.73 Small intestine	Adipose	Nose
16375	42331	Hs.81916	R81821	87.34	11.78	5.71	1.00	0.00	0.00	449.65 Brain	LID not found	Other
16378	1056648	Hs.112925	AA620950	5.82	1.00	5.82	1.00	0.00	0.00	Testis	LID not found	Other

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16384 53081	Hs.17538	R16259	31.85	2.48	13.75	1.00	4.00	10	110.18 Blood	Brain	Pool
16385 250486	Hs.17533	N51632	16.97	3.10	5.48	1.00	0.00	9	417.83 Skin	Adrenal gland	Spleen
16386 358199	Hs.58718	W95526	7.32	1.00	7.32	1.00	0.00		Heart	LID not found	Other
16390 512417	Hs.95358	AA059347	216.74	23.40	9.26	2.00	0.00	7	84.72 Aorta	Eye	LID not found
16393 288512	Hs.161630	N74178	7.10	1.00	7.10	2.00	0.00	5	504.31 Lung	LID not found	Other
16394 357878	Hs.59906	W99317	8.08	0.89	11.70	3.00	0.00		Heart	Pool	LID not found
16395 1049131	Hs.112928	AA620973	7.50	0.77	9.70	2.00	0.00		Testis	Pool	LID not found
16397 214233	Hs.208288	H77641	651.39	35.51	15.53	2.00	0.00	5	296.61 Pancreas	LID not found	Other
16398 590916	Hs.142217	AA160339	16.22	2.64	6.89	2.00	0.00	1	676.56 Neural	Brain	Kidney
16399 726743	Hs.7309	AA398288	14.10	2.33	6.05	1.00	0.00		Colon	Lung	Pool
16400 35820	Hs.14389	R45832	8.46	0.55	15.43	4.00	2.00		Peritoneal ner	Pool	LID not found
16402 427778	Hs.59939	AA002258	67.42	8.53	7.00	2.00	0.00		Testis	LID not found	Other
16403 1058169	Hs.112932	AA621004	6.18	0.00	618.69.83	2.00	0.00		Pool	LID not found	Other
16405 239943	Hs.40319	H81938	159.60	20.48	7.79	2.00	0.00	11	299.09 Thymus	Pooled	Testis
16406 593175	Hs.177580	AA164706	31.69	5.63	5.57	1.00	0.00	3	193.24 Pool	LID not found	Other
16410 423100	Hs.80198	AA007584	6.00	0.44	13.77	1.00	0.00	16	182.89 Pool	LID not found	Other
16411 1056212	Hs.112934	AA621025	6.89	0.00	688.93.78	1.00	0.00	5	610.47 Testis	Tonsil	Kidney
16413 240008	Hs.208507	H82212	865.21	130.50	6.63	1.00	0.00	9	338.67 Ear	Tonsil	Kidney
16414 610362	Hs.96112	AA171715	6.66	0.32	20.71	2.00	0.00		Testis	LID not found	Other
16423 898163	Hs.178227	AA598549	7.14	0.55	12.99	1.00	0.00	17	432.82 Spleen	Umbilical cord	CNS
16426 728826	Hs.97324	AA398307	8.87	0.95	9.09	1.00	0.00	1	681.39 Whole embryo	Lung	Brain
16427 42907	Hs.169850	R60020	6.30	0.10	62.98	8.00	5.00	4	70.66 Head and nec	Eye	Colon
16433 767286	Hs.9386	AA416416	51.38	3.26	9.78	5.00	0.00		Blood	Tonsil	Pooled
16434 728830	Hs.21939	AA398335	63.17	0.76	82.83	11.00	5.00	13	155.48	Testis	Brain
16436 1486082	Hs.16890	AA936757	14.98	1.00	14.98	2.00	0.00	2	409.98 Head and nec	Germ Cell	Pancreas
16441 767891	Hs.183392	AA416419	5.49	0.25	22.38	2.00	0.00	4	448.51 Bone	Uterus	Kidney
16442 756835	Hs.97329	AA398348	7.26	0.13	53.97	1.00	0.00	17	668.76	Whole embryo	Brain
16443 43118	Hs.101821	R60002	9.12	0.30	30.60	1.00	0.00		300.54 Head and nec	Thymus	Gall bladder
16444 1486083	Hs.17222	AA936768	31.18	0.15	201.84	23.00	4.00		Eye	Tonsil	Forebrain
16447 788544	Hs.170311	AA52122	60.07	10.74	6.01	1.00	0.00	2	201.74 Forebrain	Spleen	Brain
16448 898206	Hs.26453	AA598595	126.54	12.45	10.17	8.00	0.00		Forebrain	Tonsil	Eye
16455 898210	Hs.174139	AA598597	27.78	2.29	12.13	3.00	1.00		Tonsil	Pool	LID not found
16460 1474955	Hs.68772	AA857343	31.66	6.15	5.15	1.00	0.00	14	123.72 Blood	Parathyroid	CNS
16465 767310	Hs.172401	AA418523	34.74	5.07	6.85	1.00	0.00	11	48.91 Thymus	Placenta	CNS
16473 767313	Hs.1245	AA418544	124.05	10.65	11.71	4.00	1.00	1	354.12 Spleen	Whole embryo	Brain
16479 898227	Hs.174203	AA598825	11.78	2.65	5.75	3.00	0.00	8	399.55 Skin	Heart	LID not found
16480 1371759	Hs.82321	AA856739	51.20	2.62	19.54	5.00	0.00	9	150.73 Placenta	Whole embryo	Prostate
16485 768981	Hs.184387	AA425543	5.19	1.00	5.19	1.00	0.00	5	630.31 CNS	LID not found	Other
16493 768989	Hs.56847	AA425164	33.14	5.33	6.22	1.00	0.00	15	170.53 Ear	Heart	Lung
16502 768988	Hs.99272	AA425257	10.81	1.66	6.41	1.00	0.00	8	355.57 Lung	CNS	LID not found
16503 888251	Hs.17054	AA398875	92.75	13.47	6.09	2.00	0.00	6	130.08 Peritoneal ner	ignore	Ear
16504 737165	Hs.2430	AA439850	46.37	0.41	117.83	2.00	3.00		16.6 CNS	Parathyroid	Kidney
16506 726989	Hs.97628	AA398430	5.97	0.18	32.34	1.00	0.00				
16507 37666	Hs.124665	R61374	7.20	0.10	72.02	8.00	6.00				
16509 768998	Hs.38774	AA424734	10.31	0.74	14.01	1.00	0.00				
16510 768602	Hs.121042	AA475470	48.02	2.47	19.41	5.00	0.00				
16514 897515	Hs.28640	AA468830	17.67	1.54	11.47	5.00	0.00				
16515 283444	Hs.47543	N52799	5.91	0.84	7.04	1.00	0.00				
16516 347345	Hs.68832	W81649	10.99	1.81	6.53	1.00	0.00				
16518 286667	Hs.40937	N87894	7.06	1.00	7.06	2.00	0.00				
16519 284605	Hs.49063	N84791	6.87	1.00	6.87	1.00	0.00				
16523 283462	Hs.47644	N52802	8.63	0.92	9.37	1.00	0.00				
16526 252314	Hs.153789	H87175	7.31	0.00	731296.50	7.00	0.00				
16527 284651	Hs.106227	N84814	15.39	1.50	10.23	5.00	2.00				
16528 359553	Hs.60456	AA010872	7.40	1.00	7.40	1.00	0.00				
16531 283590	Hs.47558	N52857	5.39	1.00	6.39	0.00	1.00				

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16534 252658	Hs.41085	H83321	8.60	0.83	10.34	1.00	0.00	3	654.24 Ear	Lung	LID not found
16542 252655	Hs.41087	H83326	6.28	1.00	6.26	1.00	0.00	20	88.78 Ear	LID not found Other	LID not found
16544 429579	Hs.60512	A4011510	6.84	1.00	6.84	1.00	0.00	10	524.21 Pool	LID not found Other	LID not found
16548 415820	Hs.58715	H84615	12.54	2.24	5.81	1.00	0.00		Whole embryo	Pool	LID not found
16551 278530	Hs.49132	H86152	5.39	1.00	5.39	2.00	0.00	9	316.03 Pool	CNS	LID not found Other
16552 429660	Hs.161895	A4011570	6.19	1.00	6.19	1.00	0.00	5	39.98	LID not found Other	LID not found
16554 811121	Hs.164778	A4465888	13.58	0.10	135.84	9.00	6.00	12	197.01 CNS	LID not found Other	LID not found
16556 278546	Hs.49135	H86169	5.09	1.00	5.09	1.00	0.00	17	42.61 Skin	Pool	Foreskin
16562 798117	Hs.30011	A4460961	7.15	0.53	13.56	2.00	6.00	9	356.18 Gall bladder	Stomach	Heart
16563 730587	Hs.47866	A4435977	65.12	10.11	8.44	2.00	0.00	2	192.38 Ear	Cervix	Acrida
16570 740933	Hs.109534	A4438553	63.13	11.37	9.12	2.00	0.00	1	695.02 Head and nec	Thymus	Tonsil
16582 252604	Hs.41144	H86362	9.12	1.00	9.12	2.00	0.00	1	740.99 CNS	LID not found Other	LID not found
16583 285342	Hs.49178	H86335	8.28	1.00	8.28	2.00	0.00		Ear	Lung	LID not found
16586 730412	Hs.204168	A4460966	8.91	0.68	13.07	4.00	0.00	10	434.43	LID not found Other	LID not found
16587 287178	Hs.48326	H89170	5.05	1.00	5.05	1.00	0.00	10	390.23 CNS	LID not found Other	LID not found
16590 253222	Hs.41182	H86908	5.51	1.00	5.51	2.00	0.00	21	197.24 Heart	LID not found Other	LID not found
16591 285415	Hs.174347	H86380	5.33	0.79	6.72	3.00	0.00	3	198.24 Ear	LID not found Other	LID not found
16594 731463	Hs.160830	A4412286	5.45	1.00	5.45	1.00	0.00	19	254.72	Parathyroid	Nose
16595 287807	Hs.48331	H89178	7.35	1.00	7.35	1.00	0.00	X	83.98 Uterus	Germ Cell	LID not found
16598 253132	Hs.161060	H88953	11.61	0.46	25.37	4.00	0.00	6	117.22 Breast	Prostate	Heart
16600 364301	Hs.61141	A4022466	7.52	0.45	16.96	2.00	0.00	1	191.7 Kidney	LID not found Other	Colon
16603 286868	Hs.48336	H89194	7.58	0.56	13.56	4.00	0.00	1	82.44	Colon	Brain
16607 255636	Hs.49204	H89472	6.35	1.00	6.35	3.00	0.00	14	-11.43 Ovary	Smooth muscle	Blood
16608 364362	Hs.165205	A4022541	5.73	1.00	6.73	2.00	0.00	8	427.01 Eye	Thyroid	Parathyroid
16609 840766	Hs.76538	A4466067	55.81	5.86	9.52	2.00	0.00	12	121.59 Tonsil	Pool	LID not found
16610 757430	Hs.88942	A4437213	5.72	0.95	6.04	1.00	0.00	5	322.37	Blood	LID not found
16612 510576	Hs.122676	A4055768	5.41	0.31	17.30	2.00	0.00	17		Epididymis	Foreskin
16616 837932	Hs.86990	A4456558	5.95	0.39	15.12	1.00	0.00			Smooth muscle	Blood
16621 511117	Hs.91732	A4086231	7.72	0.55	14.04	6.00	5.00	8		Uterus	Brain
16622 840837	Hs.191721	A4486273	6.73	1.00	6.73	1.00	0.00	12		Thyroid	Parathyroid
16625 126455	Hs.77680	R08712	63.77	9.75	6.54	3.00	0.00	5		Pool	LID not found
16627 322553	Hs.76127	W15351	169.98	23.35	7.28	3.00	0.00	17		Eye	Ovary
16631 626208	Hs.110771	A4188789	263.46	31.67	8.95	1.00	0.00	8	381.52 Pool	LID not found Other	LID not found
16641 486706	Hs.77835	A4044906	10.61	1.39	6.51	0.00	1.00	16	406.4 Whole embryo	Brain	LID not found
16651 840637	Hs.17839	A4486538	8.58	0.10	65.82	9.00	6.00		Testis	LID not found Other	LID not found
16652 416048	Hs.122687	W85336	6.48	1.00	6.48	2.00	0.00		Testis	Colon	Pool
16654 347716	Hs.181318	W81366	25.22	1.69	14.93	3.00	0.00		Testis	Ovary	Pool
16655 770654	Hs.110620	A4427737	15.85	0.51	31.08	7.00	6.00		Blood	LID not found Other	LID not found
16656 1046598	Hs.112608	A4608689	8.51	1.00	8.51	2.00	0.00		Testis	LID not found Other	LID not found
16658 293056	Hs.191381	H83777	639.84	41.70	15.35	2.00	0.00		406.4 Whole embryo	Brain	LID not found
16662 796123	Hs.101265	A4460963	11.68	0.93	12.80	6.00	1.00		Testis	LID not found Other	LID not found
16664 1046601	Hs.112607	A4608870	17.70	2.88	6.16	1.00	0.00		Testis	Colon	Pool
16666 757161	Hs.89037	A4435448	8.13	1.00	8.13	1.00	0.00		Testis	Marrow	Pool
16669 796723	Hs.92878	A443140	8.19	1.00	8.19	7.00	6.00		Eye	LID not found Other	LID not found
16671 596755	Hs.169802	A4137096	70.30	6.65	11.47	6.00	2.00		Bone marrow	Aorta	Ignore
16673 843098	Hs.79516	A4486876	212.59	7.04	30.22	9.00	0.00		Pool	LID not found Other	LID not found
16677 428123	Hs.62993	A404810	8.19	1.00	8.19	1.00	0.00		Pool	Parathyroid	Kidney
16678 897367	Hs.101845	A4496884	8.88	1.20	7.41	1.00	1.00		Spleen	Breast	Colon
16679 503234	Hs.110964	A4151621	5.20	0.47	11.19	4.00	4.00		Testis	Pool	LID not found
16680 1048645	Hs.112612	A4608902	5.27	1.00	5.27	2.00	0.00	7	15.78 Pooled	Testis	LID not found
16682 781029	Hs.88047	A4486032	6.71	1.00	6.71	1.00	0.00		Testis	Pool	LID not found
16688 1030805	Hs.112817	A4620309	5.16	1.00	5.16	2.00	0.00		Testis	Colon	LID not found
16689 357236	Hs.79953	W93636	7.56	0.93	6.09	1.00	0.00		Testis	Placenta	Heart
16690 781147	Hs.99051	A4464190	5.04	1.00	5.04	1.00	0.00		Testis	LID not found Other	LID not found
16692 124427	Hs.186841	R01083	5.20	0.43	12.03	3.00	0.00		Pool	LID not found Other	LID not found
16696 1030741	Hs.112521	A4608964	6.46	0.71	9.08	4.00	0.00		Germ Cell	Ovary	Testis

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16698	751223	Hs.99056	AA46231	6.80	1.00	6.80	2.00	0.00	Testis	Eye	Heart
16699	131452	Hs.202849	P23270	25.24	1.00	25.24	1.00	0.00	Blood	Tonsil	Pool
16700	239728	Hs.122747	H62489	6.60	1.00	6.60	2.00	0.00	Testis	Pool	LID not found
16704	1030770	Hs.112623	AA609877	7.19	1.00	7.19	2.00	0.00	CNS	LID not found	Other
16705	283121	Hs.46495	AA455163	8.12	1.00	8.12	2.00	0.00	Pancreas	Lymph	Breast
16707	813304	Hs.22938	AA455163	21.41	2.18	9.84	3.00	0.00	Pancreas	Lymph	Colon
16708	882479	Hs.68999	AA255552	7.08	0.93	7.81	3.00	0.00	Lymph node	Pooled	Synovial membrane
16711	789253	Hs.78719	AA454098	5.80	0.58	10.02	6.00	3.00	CNS	LID not found	Other
16713	279306	Hs.46603	NA6153	240.04	24.08	9.97	2.00	0.00	CNS	LID not found	Other
16714	502397	Hs.16893	AA158737	44.75	6.74	504994.48	2.00	0.00	Testis	LID not found	Other
16716	1048855	Hs.112914	AA608907	5.05	0.00	8.93	3.00	0.00	Pool	LID not found	Other
16720	754083	Hs.105920	AA478195	7.36	0.82	54.48	21.00	2.00	Pooled	Placenta	Germ Cell
16724	887287	Hs.20843	AA235118	54.48	1.00	54.48	21.00	2.00	Testis	LID not found	Other
16726	1030543	Hs.162582	AA608923	68.21	12.44	5.48	1.00	0.00	Cervix	LID not found	Other
16730	827688	Hs.104123	AA197344	86.40	14.43	5.99	2.00	0.00	Nose	Tonsil	Lymph
16735	753076	Hs.98674	AA436478	12.62	1.00	12.62	2.00	0.00	Testis	LID not found	Other
16738	731473	Hs.104774	AA412295	6.17	1.00	8.17	1.00	0.00	Testis	LID not found	Other
16742	1030728	Hs.112820	AA608959	6.97	1.00	8.87	2.00	0.00	Testis	LID not found	Other
16743	726664	Hs.97579	AA398118	10.14	1.87	6.46	0.00	1.00	Liver	Testis	LID not found
16746	731020	Hs.75925	AA421258	71.50	6.66	10.74	4.00	0.00	10.29 Synovial mem	Nose	Skin
16748	687393	Hs.96431	AA235330	9.68	1.00	9.68	2.00	0.00	454.25 Pool	LID not found	Other
16752	754111	Hs.11217	AA479212	55.08	4.07	13.55	3.00	0.00	152 CNS	-	Placenta
16754	757290	Hs.139415	AA420554	7.16	1.00	7.16	1.00	0.00	Testis	LID not found	Other
16755	53385	Hs.106620	R16231	6.40	1.00	5.40	1.00	0.00	158.82 Brain	LID not found	Other
16759	788580	Hs.38784	AA452873	68.25	13.42	5.09	1.00	0.00	143.6 Peripheral ner	Ear	Thyroid
16763	670386	Hs.81233	AA424513	6.55	1.00	6.55	1.00	0.00	Pool	LID not found	Other
16764	687625	Hs.161839	AA235347	28.90	2.12	13.53	2.00	1.00	Bone	Tonsil	Uterus
16767	788468	Hs.96600	AA432542	13.95	0.74	18.87	7.00	6.00	Blood	Tonsil	Whole embryo
16768	754126	Hs.34805	AA478623	8.38	1.00	8.38	1.00	0.00	820.52 Ear	Pancreas	Bone
16770	782256	Hs.104915	AA431734	5.00	1.00	5.00	1.00	2.00	Testis	LID not found	Other
16773	263635	Hs.161430	N63807	25.11	15.45	16.25	5.00	0.00	115.8 Pool	LID not found	Other
16775	47778	Hs.21356	R59694	37.64	6.28	5.98	1.00	0.00	Forebrain	Tonsil	Pool
16776	754127	Hs.19218	AA478627	14.77	1.00	14.77	2.00	0.00	465.84 CNS	LID not found	Other
16777	280509	Hs.46701	N47313	7.08	1.00	7.08	1.00	0.00	Whole embryo	Testis	LID not found
16778	751020	Hs.104907	AA448019	7.40	1.00	7.40	1.00	0.00	299.8 Liver	CNS	Whole embryo
16780	687687	Hs.23798	AA235370	5.81	1.00	5.81	2.00	0.00	501.88 Brain	Prostate	-
16783	35189	Hs.65248	R54443	11.68	0.00	1168189.61	4.00	0.00	Eye	LID not found	Other
16786	838885	Hs.161808	AA481801	51.94	6.75	7.69	3.00	0.00	337.95 Pool	LID not found	Other
16789	293975	Hs.207248	N64024	53.28	3.10	17.18	2.00	0.00	Testis	LID not found	Other
16790	1031285	Hs.112639	AA609067	7.23	0.18	40.73	4.00	0.00	99.48 Aorta	Tonsil	Breast
16792	754157	Hs.124974	AA478775	25.69	2.48	10.37	0.00	0.00	CNS	LID not found	Other
16793	280876	Hs.181115	N47431	14.77	0.41	18.74	2.00	0.00	Eye	LID not found	Other
16794	839817	Hs.209719	AA488779	7.74	0.00	8.65	1.00	0.00	Testis	LID not found	Other
16798	1031309	Hs.112640	AA609088	6.81	0.79	5.27	1.00	0.00	Whole embryo	Uterus	Colon
16799	788180	Hs.128749	AA453310	19.81	3.76	5.27	1.00	0.00	Kidney	Pool	LID not found
16801	812289	Hs.98382	AA455094	94.49	18.41	5.13	1.00	0.00	29.14 Parathyroid	Pooled	CNS
16802	28774	Hs.156112	R40244	7.71	1.00	7.71	4.00	0.00	116.38 Germ Cell	Colon	Testis
16805	823378	Hs.155223	AA497040	14.19	0.00	1419382.75	15.00	1.00	371.25 Stomach	Brain	Skin
16812	180512	Hs.153667	AA473056	37.58	4.57	8.23	6.00	1.00	127.29 Thyroid	Bone	Whole embryo
16816	446386	Hs.171680	AA778188	55.75	6.80	8.20	6.00	0.00	127.63 Synovial mem	Muscle	Testis
16818	29030	Hs.26301	R40377	35.67	1.29	5.45	1.00	0.00	489.73 Brain	Aorta	Forebrain
16822	37554	Hs.22157	R51210	7.00	1.00	7.53	2.00	1.00	74.01 Whole embryo	Brain	Breast
16824	446514	Hs.0133	AA177637	7.53	1.00	12.78	3.00	0.00	Brain	Lung	LID not found
16827	53040	Hs.107410	R15741	23.81	1.87	12.78	3.00	0.00			
16828	181172	Hs.77858	H25223	8.30	0.97	6.51	1.00	0.00			
16834	28927	Hs.26299	R40373	7.09	1.40	5.07	1.00	0.00			

Table 3A

16836	183602	Hs.117729	H44051	174.31	6.83	25.53	2.00	1.00	17	305.48	Larynx	Skin	Esophagus
16839	1323432	Hs.166189	AA873599	20.82	3.43	6.10	3.00	0.00			Omentum	Larynx	Adrenal gland
16840	449058	Hs.168818	AA777408	6.24	1.00	6.24	2.00	0.00					
16842	28735	Hs.155191	R40533	27.76	4.12	6.75	1.00	0.00	6	620.47	Small intestine-head and nec	Pancreas	
16846	37604	Hs.25873	R51085	174.18	10.17	17.12	2.00	0.00	X	83.95	Brain	Lung	LID not found
16848	450060	Hs.194272	AA703392	61.62	4.59	17.76	6.00	4.00	8	430.75	Brain	Pool	LID not found
16854	37404	Hs.144995	R51100	5.75	1.00	5.75	2.00	0.00			Stomach	Bone	
16860	184022	Hs.37163	H28119	14.11	0.14	100.35	9.00	6.00					
16863	1323448	Hs.17409	AA873804	66.53	3.58	18.59	0.00	2.00	22	50.5	CNS	Blood	Lung
16867	53162	Hs.200016	R16150	16.23	1.00	18.23	9.00	1.00	X	168.68	Brain	Pool	LID not found
16871	1323704	Hs.47313	AA856600	7.84	1.00	9.03	1.00	0.00	9	151.58	CNS	Blood	Kidney
16876	63165	Hs.128740	R16153	9.03	1.00	9.03	3.00	0.00	1	32.83	Germ Cell	Brain	LID not found
16876	175846	Hs.78748	H41395	6.22	1.00	6.22	2.00	0.00	1	125.39	Pool	Whole embryo	Muscle
16877	823636	Hs.105403	AA489960	13.75	0.89	19.80	5.00	0.00			Adipose	LID not found	Other
16878	38072	Hs.24873	R49013	17.69	0.55	32.03	5.00	0.00			CNS	Brain	
16881	812959	Hs.173571	AA464602	16.20	1.00	18.20	3.00	0.00	14	123.72	Ear	Synovial mem	Aorta
16882	29251	Hs.20159	R41389	11.62	0.19	60.20	8.00	5.00	12	250.83	Brain	LID not found	Other
16883	53051	Hs.21170	R16144	5.27	0.21	25.35	3.00	0.00				Lung	Brain
16887	1323591	Hs.70353	AA858028	19.88	3.58	5.54	0.00	1.00	14	251	Adrenal gland	Germ Cell	Gall bladder
16888	450711	Hs.76018	AA704459	16.14	1.00	16.14	8.00	6.00					
16889	812971	Hs.22857	AA464603	21.91	3.38	6.49	1.00	1.00	9	259.71	Pool	CNS	Parathyroid
16890	26349	Hs.26155	R41294	6.49	1.00	6.49	3.00	0.00	1	761.45	Synovial mem	Brain	Pool
16891	53265	Hs.12457	R16157	38.79	2.28	10.95	9.00	0.00	1	726.88	Stomach	Kidney	Eye
16892	360392	Hs.179817	AA013265	71.98	8.46	7.59	1.00	0.00	3	687.77	Eye	Kidney	Testis
16893	423659	Hs.42225	AA469628	25.52	2.86	8.94	1.00	0.00	3	146.58	Forelimb	Cervix	Pool
16896	450745	Hs.83958	AA704492	12.84	1.98	8.55	1.00	0.00			Eye	Forelimb	Cervix
16898	838807	Hs.19210	AA437881	39.58	6.40	6.19	1.00	0.00	17	527.46	Esophagus	Pool	LID not found
16897	257628	Hs.43880	N27028	484.82	58.82	8.98	2.00	0.00			CNS	LID not found	Other
16911	277678	Hs.46575	N46007	50.09	7.26	6.90	2.00	0.00	7	176.11	Heart	LID not found	Other
16912	341263	Hs.101599	W57759	25.60	4.00	6.40	1.00	0.00	1	28.08	Forelimb	Ear	
16914	841140	Hs.183212	AA487020	62.51	7.09	8.81	2.00	0.00	1		Piscaria	Pool	LID not found
16915	257730	Hs.43914	N27303	11.13	1.00	11.13	2.00	2.00			Stomach	Parathyroid	Whole embryo
16916	306052	Hs.134738	N91461	5.70	0.07	85.60	2.00	0.00	10	536.56	Synovial mem	Uterus	
16918	729924	Hs.24872	AA399833	22.10	1.79	12.36	5.00	4.00			Lung	LID not found	Other
16932	289597	Hs.54721	N91527	6.46	1.00	6.46	2.00	0.00	2	741.86	Testis	Pancreas	Cervix
16934	731348	Hs.24951	AA421016	6.30	1.00	6.30	1.00	0.00			Ear	Prostate	Testis
16936	627521	Hs.19762	AA192784	10.37	0.55	18.85	9.00	6.00			Lung	Testis	LID not found
16940	360323	Hs.54725	N91566	8.19	1.00	8.19	1.00	0.00	1	874.22	Thymus	Eye	Forelimb
16943	731275	Hs.171095	AA420988	316.25	42.34	7.47	2.00	0.00			Lung	LID not found	Other
16946	839592	Hs.184567	AA480010	280.67	23.93	11.73	0.00	5.00	6	599.03	Heart	Pool	LID not found
16948	306829	Hs.54751	N91914	47.89	1.90	25.27	17.00	6.00	3	472.98	Testis	Uterus	LID not found
16952	341066	Hs.56254	W58165	6.37	1.00	6.37	1.00	0.00	5	840.83	CNS	LID not found	Other
16956	307995	Hs.208532	N92293	208.70	41.73	5.00	1.00	0.00	11	373.32	Breast	Uterus	Whole embryo
16963	237342	Hs.44088	N28638	8.53	1.00	6.58	1.00	0.00	18	191.31	CNS	Testis	Whole embryo
16967	757431	Hs.46840	AA437223	40.60	1.00	40.60	3.00	6.00	4	25.79	Blood	Lung	Pool
16968	341091	Hs.56286	W58231	5.12	1.00	5.12	2.00	0.00	2	668.82	Smooth musc	Eye	CNS
16970	838285	Hs.20102	AA457484	40.23	5.99	6.72	1.00	1.00	16	473.07	Pool	LID not found	Other
16972	301876	Hs.54795	N92483	6.45	1.00	6.45	1.00	0.00	X	92.32	Pool	Pool	LID not found
16983	290308	Hs.46863	N47075	6.34	1.00	6.34	1.00	0.00			Forelimb	LID not found	Other
16984	743531	Hs.173888	AA509430	8.26	1.00	8.26	3.00	0.00	8	518.22	Eye		
16990	730036	Hs.102422	AA416970	5.78	0.18	32.15	7.00	6.00					
16992	375550	Hs.56876	AA032198	14.09	1.85	9.08	1.00	0.00					
16995	840668	Hs.104627	AA486551	25.61	2.51	10.20	1.00	1.00					
17003	203425	Hs.117698	N39308	33.39	2.79	11.96	2.00	0.00					
17009	266406	Hs.20410	H55764	95.61	6.99	13.67	2.00	0.00					
17013	566250	Hs.217409	N21659	8.65	0.66	13.01	1.00	0.00					
		Hs.71712	AA137041	5.65	0.35	16.04	3.00	0.00					

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17015 504705	Hs.220028	AA142888	73.99	6.50	11.38	6.00	0.00	3	333.97	Head and nec	Whole embryo	Uterus
17020 126810	Hs.189655	R07258	151.48	13.83	10.85	2.00	0.00			Pool	LID not found	Other
17028 121438	Hs.220287	T97458	78.50	4.71	16.87	6.00	0.00	2	320.41	Aorta	Umbilical cord	
17032 243024	Hs.179147	H95669	31.61	3.92	8.07	1.00	0.00	20	31.86	Pool	LID not found	Other
17034 742671	Hs.97760	AA400281	8.82	1.00	8.82	2.00	0.00			Testis	LID not found	Other
17036 720147	Hs.104779	AA112499	9.46	1.00	9.46	2.00	0.00			Testis	LID not found	Other
17037 505158	Hs.71730	AA1150878	16.49	1.00	16.49	3.00	0.00	7	157.18	Bone	Uterus	Prostate
17040 246814	Hs.110064	H57682	20.57	2.16	8.52	2.00	0.00			Pool	LID not found	Other
17042 743135	Hs.97762	AA396940	6.54	1.00	6.54	2.00	0.00			Testis	Pool	LID not found
17043 726972	Hs.170652	AA416911	5.98	1.00	5.98	1.00	0.00			Eye	Pool	LID not found
17048 244312	Hs.177403	N52812	6.11	1.00	6.11	2.00	0.00			Adrenal gland	Pool	LID not found
17049 528184	Hs.67055	AA064959	23.46	2.83	6.31	1.00	0.00			Testis	Pool	LID not found
17050 743158	Hs.97763	AA399665	8.05	1.00	8.05	1.00	0.00	9	58.54	Placenta	LID not found	Other
17052 130742	Hs.155797	R22024	7.84	1.00	7.84	1.00	0.00			Adrenal gland	Testis	Muscle
17053 781038	Hs.104788	AA446446	8.60	0.55	12.00	7.00	6.00	4	50.5			
17060 130664	Hs.176214	R22579	7.16	1.00	7.16	1.00	0.00	13	107.1	Colon	LID not found	Other
17061 588531	Hs.71781	AA143602	7.89	1.00	7.89	1.00	1.00	21	144.11	Bone marrow	Ear	Spleen
17063 503671	Hs.107804	AA131421	93.83	10.78	8.71	5.00	1.00	22	37.19	Pool	LID not found	Other
17064 233174	Hs.118118	H73737	92.20	10.95	6.42	2.00	0.00	22	441.08	Breast	Lung	
17065 528302	Hs.67317	AA068698	24.46	3.22	7.60	4.00	0.00	7		Testis	LID not found	Other
17068 742592	Hs.189220	AA400078	8.12	1.00	6.12	1.00	0.00	1	674.22	Uterus	Pool	LID not found
17069 505339	Hs.71825	AA156234	9.57	1.52	6.31	1.00	0.00	6	201.27	Ignore	Aorta	Liver
17073 735061	Hs.67364	AA487608	247.87	27.24	9.10	11.00	0.00			Testis	LID not found	Other
17074 747586	Hs.97774	AA400080	6.75	1.00	6.75	1.00	0.00			Cervix	Colon	LID not found
17077 627252	Hs.183506	AA191460	13.52	1.75	7.73	1.00	0.00			Lung	Testis	LID not found
17078 731337	Hs.98258	AA416782	5.26	1.00	5.26	2.00	0.00			Testis	Pool	LID not found
17082 743235	Hs.97777	AA400133	8.36	1.85	5.06	1.00	0.00	16	26.63	Uterus	LID not found	Other
17085 503131	Hs.71912	AA148920	6.45	0.40	15.96	3.00	0.00			Testis	LID not found	Other
17086 731357	Hs.98251	AA416795	6.94	0.30	23.39	3.00	0.00			Testis	LID not found	Other
17087 731255	Hs.217678	AA420992	41.56	8.20	5.07	0.00	1.00	2	666.82	Thyroid	Placenta	Germ Cell
17088 286556	Hs.203411	N73838	192.03	2.28	84.04	21.00	2.00	5	274.89	Ear	Whole embryo	Bone
17092 787851	Hs.44426	AA452145	128.47	25.33	5.07	1.00	0.00	6	153.18	Brain	Kidney	Heart
17095 530039	Hs.104576	R15740	16.51	0.42	37.20	9.00	6.00	11		Pool	Brain	LID not found
17098 44203	Hs.168731	H62890	38.21	4.42	8.20	1.00	0.00	1	151.73	Synovial mem	Whole embryo	Bone
17100 769007	Hs.43728	AA18750	31.58	3.82	8.26	0.00	2.00	5	39.83	Synovial mem	Cervix	Tonsil
17102 626822	Hs.171957	AA191348	7.81	0.50	13.14	2.00	0.00	2	617.63	Pool	LID not found	Other
17108 429678	Hs.60532	AA011593	62.89	4.00	15.74	11.00	6.00	10	421.81	Pool	Lung	Brain
17109 37986	Hs.26890	R61395	12.79	0.13	94.95	13.00	6.00	22		Kidney	Lung	LID not found
17109 241815	Hs.50735	H93065	31.12	5.60	5.31	1.00	0.00			Testis	Bone	Ear
17110 742737	Hs.157528	AA400154	7.83	0.84	8.13	1.00	0.00			Eye	LID not found	Other
17111 786673	Hs.155156	AA451903	49.93	8.68	5.17	1.00	0.00	4	468.77	Pool	Testis	LID not found
17114 360428	Hs.161599	AA015663	50.89	8.85	7.51	2.00	0.00			Lung	Testis	LID not found
17117 234332	Hs.41849	N28256	128.81	17.15	5.98	1.00	0.00	14	280.87	Spleen	Eye	Pool
17118 742777	Hs.97787	AA400194	70.80	11.84	6.31	1.00	0.00	15	290.51	Ear	Skin	CNS
17128 742819	Hs.97810	AA400485	6.31	1.00	10.11	2.00	0.00	13	230.56	Stomach	CNS	Whole embryo
17129 731716	Hs.226254	T54659	10.11	1.00	5.87	1.00	0.00			Whole embryo	LID not found	Other
17131 1048804	Hs.86545	AA621339	10.10	1.72	5.87	1.00	0.00	4	72.01	Bone	Blood	Pooled
17132 666154	Hs.78748	AA233564	32.16	5.54	5.81	1.00	0.00	12	196.96	Forebrain	Placenta	Pool
17134 743377	Hs.97505	AA400514	6.37	1.00	6.37	2.00	0.00			Testis	LID not found	Other
17135 813698	Hs.16675	AA453759	87.21	6.33	10.81	3.00	0.00			Testis	LID not found	Other
17139 1055121	Hs.112979	AA621355	5.21	1.00	5.21	2.00	0.00			Testis	LID not found	Other
17142 730649	Hs.86587	AA411761	6.73	1.00	6.73	2.00	0.00			Testis	LID not found	Other
17145 73809	Hs.40968	T55714	57.17	3.04	19.81	7.00	5.00			Testis	LID not found	Other
17148 767172	Hs.8863	AA424550	23.31	1.64	10.51	2.00	0.00			Testis	LID not found	Other
17149 251195	Hs.42371	H97385	835.11	78.49	10.51	2.00	0.00			Testis	LID not found	Other
17150 730627	Hs.68107	AA411897	12.10	1.29	9.40	1.00	0.00			Spleen	Uterus	Pancreas
17151 754378	Hs.146688	AA436163	58.66	4.80	12.22	11.00	3.00					

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17153 69467	Hs.10087	T56713	8.69	1.00	6.69	1.00	0.00	20	261.03	Colon	Placenta	LID not found
17154 487566	Hs.62986	A045745	7.92	1.00	7.92	1.00	0.00	14	70.59	Uterus	LID not found	Other
17156 530554	Hs.180141	A0707435	26.78	0.43	62.07	9.00	6.00			Forestin	LID not found	Other
17157 251937	Hs.42385	H97496	8.39	1.00	8.39	2.00	0.00			Testis	LID not found	Other
17158 730038	Hs.98173	A416899	7.39	1.00	7.39	2.00	0.00			Smooth musc	Aorta	Eye
17159 796513	Hs.84549	A460251	64.46	0.55	117.21	9.00	6.00	18	98.55	Brain	LID not found	Other
17160 291198	Hs.20971	R41173	71.87	13.19	117.21	2.00	0.00			Pancreas	Heart	LID not found
17162 377250	Hs.63176	A045348	8.24	1.00	8.24	1.00	0.00			Neural	Forestin	Pooled
17164 813756	Hs.40368	A4453805	60.82	8.64	8.08	4.00	0.00	X	88.99	Testis	LID not found	Other
17166 730027	Hs.98178	A4417017	8.12	1.00	6.12	2.00	0.00			Testis	Whole embryo	Uterus
17171 1053278	Hs.130699	A4921478	22.35	1.08	20.67	14.00	4.00	1	630.01	Aorta	LID not found	Other
17174 731153	Hs.210767	A4417213	7.96	0.93	6.56	3.00	0.00			Testis	LID not found	Other
17175 752666	Hs.197277	A4417567	43.52	4.55	9.56	6.00	0.00	14	180.13	Ignore	Nose	Liver
17178 377644	Hs.103185	A0455659	9.82	0.18	50.50	1.00	0.00			Heart	LID not found	Other
17179 1053261	Hs.112693	A4521480	224.97	28.10	7.73	2.00	0.00			Whole embryo	Testis	LID not found
17180 767066	Hs.441155	A4424504	136.74	11.51	11.86	5.00	0.00	6	602.7	Larynx	Pancreas	Aorta
17182 731169	Hs.68222	A4417348	6.20	0.00	61972.40	3.00	0.00			Testis	LID not found	Other
17184 38588	Hs.20986	R49102	57.13	0.10	571.30	9.00	6.00	10	-6.83	Whole embryo	Brain	LID not found
17187 377663	Hs.153810	R61390	287.32	38.05	7.55	2.00	0.00	8	438.11	Brain	Eye	Breast
17192 1292073	Hs.3017	A4707545	8.52	1.00	8.52	3.00	2.00			Brain	LID not found	Other
17195 37682	Hs.52469	R61504	43.81	8.23	5.33	1.00	0.00	3	189.85	Colon	Pool	LID not found
17196 127705	Hs.250	R09503	50.35	7.44	6.77	2.00	0.00			Stomach	Spleen	Heart
17199 696288	Hs.6042	A4396975	13.49	1.00	13.49	0.00	4.00	3	124.93	Germ Cell	Tonsil	Pancreas
17200 1321598	Hs.1183	A4758046	7.60	1.00	7.60	3.00	3.00			Gall bladder	Breast	Tonsil
17201 767347	Hs.3981	A4418565	9.83	1.00	9.83	1.00	1.00	18	42.75	CNS	Whole embryo	Testis
17205 769012	Hs.96510	A4426269	25.24	1.68	15.05	2.00	0.00			Whole embryo	Testis	Pooled
17206 766812	Hs.24181	A4476474	25.08	3.00	8.36	5.00	0.00	9	417.73	Blood	Tonsil	LID not found
17209 767360	Hs.219890	A4418570	16.28	2.60	6.25	1.00	0.00	8	515.98	Whole embryo	LID not found	Other
17214 786516	Hs.192877	A4476478	74.62	13.08	5.71	2.00	0.00			Testis	LID not found	Other
17216 1309620	Hs.178715	A4757170	8.42	0.70	9.15	1.00	0.00			Eye	LID not found	Other
17218 728905	Hs.97631	A4398235	9.80	1.00	5.50	2.00	0.00	8	63.51	Eye	Brain	Breast
17220 245979	Hs.75916	N55461	6.14	1.00	6.14	0.00	1.00	1	883.8	Pool	Testis	Brain
17223 767394	Hs.111889	A4418596	8.49	1.43	5.22	1.00	0.00			Whole embryo	LID not found	Other
17230 786557	Hs.99238	A4451888	145.30	4.81	30.23	12.00	4.00			Testis	LID not found	Other
17234 726540	Hs.97639	A4396440	6.90	1.00	6.90	1.00	1.00	3	158.2	Germ Cell	Spleen	Kidney
17236 248631	Hs.102	N59532	11.54	1.83	6.30	0.00	3.00			Adipose	Spleen	Whole embryo
17238 786663	Hs.9832	A4451888	35.67	3.09	11.56	4.00	1.00	5	39.77	Parathyroid	CNS	Pool
17241 767403	Hs.18955	A4417820	11.36	1.56	7.30	1.00	0.00			Brain	LID not found	Other
17243 36028	Hs.101231	R59370	10.29	1.50	6.84	1.00	0.00	15	48.05	Parathyroid	Germ Cell	Pancreas
17244 295116	Hs.167418	N71634	6.95	1.00	6.95	2.00	0.00			Testis	LID not found	Other
17246 811738	Hs.165538	A4452558	11.84	0.73	16.47	5.00	0.00			Pool	Whole embryo	Parathyroid
17248 1343732	Hs.2420	A4725564	10.22	0.14	70.92	7.00	6.00			Pooled	Pancreas	Liver
17250 726969	Hs.87841	A4398482	28.42	3.77	7.02	4.00	0.00	4	193.81	Bone	Pancreas	Forestin
17263 811741	Hs.69580	A4463269	5.77	1.00	5.77	2.00	0.00	22	114.62	Breast	Ear	Forestin
17284 786586	Hs.89260	A4451898	87.24	7.72	8.72	1.00	0.00			CNS	Whole embryo	Umbilical cord
17285 686333	Hs.101624	A4396049	6.84	1.00	8.84	1.00	0.00	6	569.46	Kidney	Whole embryo	Umbilical cord
17281 159462	Hs.148101	H15910	22.98	2.63	10.72	6.00	6.00	14	273.38	Adipose	Pool	LID not found
17282 786555	Hs.44197	A4451811	9.48	1.00	9.48	4.00	0.00			Testis	LID not found	Other
17283 1089388	Hs.178526	A4500341	101.23	11.88	8.52	1.00	0.00	4	634.52	Blood	Whole embryo	CNS
17285 767414	Hs.96711	A4417816	12.68	1.18	10.76	2.00	0.00	5	147.81	Lymph	Prostate	Kidney
17286 727137	Hs.215176	A4398757	6.22	0.42	14.72	1.00	0.00	1	619.28	Ear	Heart	Prostate
17270 787850	Hs.45057	A4452140	8.47	1.39	6.09	1.00	0.00			Heart	LID not found	Other
17271 1069733	Hs.65370	A4396574	10.61	0.10	106.12	4.00	1.00			Testis	Whole embryo	CNS
17278 686225	Hs.164556	A4333770	12.60	1.89	6.85	1.00	0.00	5	147.81	Prostate	Kidney	Prostate
17282 357056	Hs.30528	W63040	9.42	0.61	15.53	1.00	0.00	1	619.28	Ear	Heart	Prostate
17288 368406	Hs.61151	A0722625	5.21	0.92	5.59	3.00	0.00			Heart	LID not found	Other



Table 3A

17289 416754	Hs.59805	V85728	5.55	0.40	13.75	2.00	0.00	Stomach	Ovary	Pool
17289 416754	Hs.161406	N85580	44.64	0.29	151.88	23.00	4.00	CNS	LID not found	Other
17289 364454	Hs.611154	AA022668	6.46	1.00	8.48	1.00	0.00	Heart	LID not found	Other
17293 842882	Hs.308322	AA488412	14.24	2.48	5.74	1.00	0.00	Cervix	Pool	Brain
17289 288770	Hs.48381	N59287	86.50	11.60	7.45	1.00	0.00	CNS	LID not found	Other
17302 253246	Hs.41228	H89291	7.40	0.00	735947.29	4.00	0.00	Ear	LID not found	Other
17303 486246	Hs.214680	AA038177	159.58	2.83	90.78	23.00	4.00	Whole embryo	Uterus	Pool
17306 173605	Hs.213279	AA426368	18.29	3.35	5.45	2.00	0.00	Whole embryo	Brain	Pool
17310 253314	Hs.141378	H89331	7.59	1.31	5.78	1.00	0.00	Lung	LID not found	Other
17311 296629	Hs.49265	N75004	17.35	0.55	31.54	8.00	2.00	Ear	Lung	Whole embryo
17312 364805	Hs.611198	AA024493	7.09	1.00	7.09	2.00	0.00	Heart	LID not found	Other
17316 416688	Hs.50913	V85632	8.41	0.91	9.23	1.00	0.00	Pool	LID not found	Other
17318 253599	Hs.181061	H89378	10.72	2.04	5.27	1.00	0.00	Ear	LID not found	Other
17319 287258	Hs.49299	N65945	9.20	1.00	9.20	2.00	0.00	Ear	LID not found	Other
17323 284542	Hs.158572	N58438	41.38	1.00	41.38	9.00	4.00	CNS	Pool	LID not found
17326 253577	Hs.41250	H89389	5.67	1.00	5.67	2.00	0.00	Ear	LID not found	Other
17327 787054	Hs.164680	AA463230	6.04	1.00	6.04	2.00	0.00	Ear	LID not found	Other
17328 364932	Hs.194314	AA025274	159.00	27.08	5.87	2.00	0.00	Colon	Tonsil	Heart
17330 254310	Hs.131705	N22262	59.21	4.30	13.78	4.00	2.00	Blood	Cervix	Ear
17343 285691	Hs.48359	N87578	23.11	3.70	8.26	1.00	0.00	Blood	Pool	Breast
17344 850464	Hs.218791	AA589089	28.93	1.65	18.18	0.00	3.00	Cervix	Brain	Fore skin
17346 627878	Hs.30894	AA198210	9.44	1.00	9.44	1.00	0.00	Cervix	Brain	LID not found
17355 284663	Hs.48394	N59470	15.07	1.00	15.07	1.00	0.00	CNS	Whole embryo	LID not found
17358 241801	Hs.41829	H93081	32.58	4.75	8.88	1.00	0.00	Pool	LID not found	Other
17362 773248	Hs.202748	AA425173	308.95	35.63	8.87	2.00	0.00	CNS	Whole embryo	Prostate
17363 730746	Hs.46419	AA435980	10.87	1.71	8.38	1.00	0.00	Testis	Uterus	Pool
17367 284931	Hs.214345	N71881	3.82	0.81	8.20	3.00	1.00	Ear	LID not found	Other
17370 289763	Hs.219463	N50593	7.99	0.10	79.85	6.00	0.00	Fore skin	Pool	LID not found
17374 251435	Hs.42148	H97989	5.22	1.00	5.22	1.00	0.00	Fore skin	Pool	LID not found
17378 375619	Hs.164861	AA027266	8.17	0.89	6.91	1.00	0.00	Fore skin	Pool	LID not found
17393 129609	Hs.70333	R16545	70.78	8.78	8.07	1.00	0.00	Testis	Pool	LID not found
17384 1030781	Hs.112628	AA609005	6.21	0.88	6.38	1.00	0.00	Testis	Pool	LID not found
17380 285008	Hs.164645	N21079	75.92	13.90	5.46	1.00	0.00	Testis	Testis	LID not found
17392 1031279	Hs.112637	AA609056	6.33	1.00	6.33	2.00	0.00	Tonsil	Fore skin	LID not found
17393 808930	Hs.196209	AA180163	15.09	2.51	6.01	1.00	0.00	Eye	Fore skin	Kidney
17395 359040	Hs.109525	V852278	5.11	1.00	5.11	1.00	0.00	Ear	Heart	Kidney
17405 258880	Hs.83740	N30205	225.78	39.01	5.79	1.00	0.00	Tonsil	Lung	Pool
17408 1031348	Hs.112844	AA609106	8.34	1.00	8.34	2.00	0.00	Testis	Germ Cell	Brain
17409 773335	Hs.81234	AA425437	13.11	2.25	5.62	1.00	0.00	Testis	Thymus	Fore skin
17410 784200	Hs.09083	AA446859	67.13	2.11	27.02	6.00	3.00	Whole embryo	Uterus	Pool
17415 251717	Hs.214650	H97847	49.94	8.16	6.00	2.00	0.00	Whole embryo	Uterus	Pool
17419 137628	Hs.217437	R39594	105.04	8.65	12.14	4.00	4.00	Aorta	Fore skin	Whole embryo
17420 322242	Hs.206507	VQ8026	218.81	31.38	6.91	2.00	0.00	Prostate	Prostate	LID not found
17431 595161	Hs.471637	AA173988	374.58	46.11	8.12	2.00	0.00	Ovary	LID not found	Other
17434 782593	Hs.215582	AA447540	198.01	38.83	5.05	1.00	0.00	Testis	LID not found	Other
17437 271082	Hs.93780	N34441	112.22	20.16	3.57	2.00	0.00	Fore skin	Pool	LID not found
17440 1031892	Hs.186213	AA609891	9.87	1.00	9.87	2.00	0.00	Testis	Pool	LID not found
17441 620703	Hs.83724	AA181284	117.32	23.28	5.04	1.00	0.00	Nose	Cervix	Whole embryo
17444 812665	Hs.124040	AA179510	401.82	75.23	5.34	1.00	0.00	Testis	LID not found	Other
17450 762687	Hs.99121	AA447592	7.12	1.00	7.12	1.00	0.00	Blood	Placenta	Colon
17451 591095	Hs.215284	AA158346	96.53	1.50	64.19	9.00	6.00	Fore skin	Eye	Whole embryo
17456 1031532	Hs.202872	AA609282	25.23	1.00	25.23	4.00	0.00	Whole embryo	LID not found	Other
17460 773250	Hs.191608	AA425851	18.63	1.81	10.36	4.00	1.00	CNS	Whole embryo	Other
17461 279690	Hs.93856	N48325	6.52	1.00	6.52	3.00	0.00	Aorta	LID not found	Other
17463 545568	Hs.202554	AA078827	64.78	10.65	8.08	4.00	0.00	Stomach	Tonsil	Pool
17484 1031566	Hs.112680	AA609291	4.31	1.00	8.31	2.00	0.00	Testis	Pool	LID not found
17485 838816	Hs.82489	AA458968	14.13	1.00	14.13	2.00	0.00	CNS	Eye	Germ Cell

Table 3A

17466 762710	Hs.99123	A447603	6.54	0.34	19.19	4.00	0.00	0.00	0.00	Testis	LID not found	Other
17467 841238	Hs.108703	A4487121	36.23	3.69	9.83	2.00	0.00	0.00	0.00	Gall bladder	-	Lung
17469 279319	Hs.173609	N48920	6.39	0.73	8.80	1.00	0.00	0.00	0.00	243.59	Smooth muscle	CNS
17470 897731	Hs.24212	AA598995	86.29	8.82	12.47	5.00	0.00	0.00	0.00	226.52	LID not found	Other
17472 1031545	Hs.112681	AA609292	6.04	1.00	8.04	2.00	0.00	0.00	0.00	269.73	CNS	LID not found
17473 281060	Hs.46762	N47785	11.14	1.79	6.23	1.00	0.00	0.00	0.00	Eye	LID not found	Other
17474 836872	Hs.206874	N4490120	179.28	4.80	37.33	7.00	2.00	0.00	0.00	Lymph node	Adipose	Foreskin
17475 753021	Hs.7236	A4436549	25.29	1.81	14.01	4.00	0.00	0.00	0.00	Testis	LID not found	Other
17478 1031562	Hs.112645	AA609122	5.46	0.21	25.72	1.00	0.00	0.00	0.00	291.07	Pool	LID not found
17480 754194	Hs.65307	A4478135	6.16	0.01	443.94	1.00	0.00	0.00	0.00	147.75	CNS	Breast
17486 754200	Hs.21247	AA478784	12.16	0.60	20.20	5.00	0.00	0.00	0.00	Eye	LID not found	Other
17490 839888	Hs.105310	AA480162	443.53	60.01	7.39	2.00	0.00	0.00	0.00	514.33	Muscle	Pool
17496 764218	Hs.18469	AA478148	5.59	1.00	5.59	1.00	0.00	0.00	0.00	577.95	Foreskin	Tonsil
17500 738941	Hs.22464	AA421759	9.86	1.86	5.30	1.00	0.00	0.00	0.00	Testis	LID not found	Other
17502 1031367	Hs.112648	AA608135	5.43	1.00	5.43	1.00	0.00	0.00	0.00	Adrenal gland	Bone	Blood
17503 752840	Hs.104800	AA418922	37.04	6.60	5.62	2.00	0.00	0.00	0.00	89.58	CNS	LID not found
17505 281802	Hs.46819	N48939	20.01	2.82	7.94	1.00	0.00	0.00	0.00	Germ cell	Whole embryo	Other
17508 738945	Hs.77603	AA421761	11.46	1.52	7.57	2.00	0.00	0.00	0.00	CNS	LID not found	Other
17509 284664	Hs.48075	N64817	46.19	1.00	46.19	19.00	5.00	0.00	0.00	Testis	LID not found	Other
17510 1031375	Hs.162684	AA609138	7.83	1.00	7.83	2.00	0.00	0.00	0.00	397.69	Placenta	Bone
17511 753907	Hs.216113	AA479351	40.98	1.00	40.98	8.00	1.00	0.00	0.00	322.97	CNS	LID not found
17517 284670	Hs.181315	N64819	5.71	1.00	5.71	2.00	0.00	0.00	0.00	-5.34	Uterus	Pool
17519 813721	Hs.205893	AA453790	57.06	9.03	6.32	2.00	0.00	0.00	0.00	CNS	LID not found	Other
17520 754263	Hs.105635	AA479272	89.80	9.80	5.70	1.00	0.00	0.00	0.00	Ear	LID not found	Other
17521 279504	Hs.46882	N48816	8.66	1.52	6.70	1.00	0.00	0.00	0.00	599.46	Ovary	Breast
17522 840677	Hs.156110	AA489070	48.81	5.56	8.42	2.00	0.00	0.00	0.00	Ear	LID not found	Other
17525 265207	Hs.49165	N66273	10.22	1.00	10.22	1.00	0.00	0.00	0.00	Ear	LID not found	Other
17527 44232	Hs.101651	N66273	361.97	18.01	20.10	3.00	1.00	0.00	0.00	591.55	Adipose	Heart
17533 285253	Hs.49170	N66296	11.48	1.51	7.63	1.00	0.00	0.00	0.00	CNS	LID not found	Other
17536 754273	Hs.93769	AA479286	12.38	1.64	7.55	1.00	0.00	0.00	0.00	Lung	LID not found	Other
17537 280214	Hs.46868	N48181	12.68	2.15	5.90	2.00	0.00	0.00	0.00	Testis	LID not found	Other
17538 841142	Hs.105703	AA487021	10.35	1.95	6.30	1.00	0.00	0.00	0.00	Testis	LID not found	Other
17542 1031454	Hs.112682	AA609202	6.38	1.00	6.38	2.00	0.00	0.00	0.00	342.39	Pool	Whole embryo
17543 823661	Hs.55209	AA489827	18.73	2.82	7.16	1.00	0.00	0.00	0.00	136.63	Parathyroid	Nose
17544 754280	Hs.173145	AA479284	11.97	2.09	5.74	1.00	0.00	0.00	0.00	Testis	LID not found	Other
17546 131979	Hs.8136	R32440	240.42	8.56	26.07	14.00	2.00	0.00	0.00	CNS	LID not found	Other
17549 285384	Hs.49181	N66346	7.23	1.00	7.23	1.00	0.00	0.00	0.00	Uterus	LID not found	Other
17550 1031471	Hs.112668	AA609216	7.95	1.00	7.95	1.00	0.00	0.00	0.00	Parathyroid	Foreskin	LID not found
17553 280261	Hs.46909	N49215	9.17	1.00	9.17	2.00	0.00	0.00	0.00	245.85	Ear	LID not found
17557 787474	Hs.87680	AA418009	7.57	1.00	7.57	1.00	0.00	0.00	0.00	571.06	Testis	CNS
17558 1031478	Hs.112667	AA609218	8.45	1.00	8.45	1.00	0.00	0.00	0.00	306.89	Ignore	Heart
17559 786605	Hs.71992	AA478478	13.31	1.78	7.46	1.00	0.00	0.00	0.00	19.39	Testis	LID not found
17561 280176	Hs.46917	N49247	7.39	0.73	10.13	3.00	0.00	0.00	0.00	508.93	Uterus	Eye
17562 171916	Hs.31622	H18963	30.09	0.00	300.8733.10	11.00	0.00	0.00	0.00	Eye	LID not found	Other
17565 285456	Hs.49193	N65399	10.89	0.27	23.44	3.00	0.00	0.00	0.00	Parathyroid	Eye	LID not found
17566 1031469	Hs.112660	AA609232	6.30	0.27	23.44	3.00	0.00	0.00	0.00	Eye	LID not found	Other
17574 38213	Hs.216118	R49329	10.87	1.28	9.49	2.00	0.00	0.00	0.00	Gall bladder	Thyroid	Other
17578 450777	Hs.197888	AA662435	14.72	0.61	24.18	5.00	1.00	0.00	0.00	LID not found	Other	CNS
17579 1456120	Hs.7647	AA704613	65.99	14.11	6.09	1.00	0.00	0.00	0.00	315.22	Spleen	CNS
17580 382278	Hs.199791	AA001219	17.11	0.25	69.01	9.00	6.00	0.00	0.00	LID not found	Other	Uterus
17581 823688	Hs.25253	AA489636	51.31	3.04	16.85	10.00	3.00	0.00	0.00	Adipose	Gall bladder	LID not found
17582 38325	Hs.106304	R45339	14.12	2.56	5.51	1.00	0.00	0.00	0.00	Whole embryo	Brain	Other
17585 812976	Hs.30985	AA464606	22.37	4.40	5.09	1.00	0.00	0.00	0.00	315.22	Spleen	CNS
17589 823689	Hs.105244	AA464606	6.12	0.58	10.61	1.00	0.00	0.00	0.00	Adipose	Gall bladder	Uterus
17593 812977	Hs.61426	AA464617	36.42	7.26	5.02	1.00	0.00	0.00	0.00	Whole embryo	Brain	LID not found
17595 53391	Hs.218705	R15241	5.82	0.31	18.82	3.00	0.00	0.00	0.00			

Table 3A

17600 451855	Hs.190000	AA106928	13.20	1.20	10.15	5.00	0.00	10	376.08 CNS	Blood	Germ Cell
17605 823723	Hs.14087	AA488681	27.55	1.00	27.55	2.00	0.00	1	355.66 Parathyroid	Liver	Kidney
17607 456937	Hs.1154	AA853448	8.26	1.00	27.55	2.00	0.00	1	391.47 Esophagus	Skin	Pooled
17608 451871	Hs.9018	AA706935	12.20	0.47	26.11	8.00	0.00	17	Brain	Pancreas	Heart
17612 225882	Hs.7835	H52232	186.36	10.64	17.51	10.00	2.00	1	27.1 Synovial mem Pooled	Brain	Breast
17614 38347	Hs.105309	R49439	54.83	3.72	14.75	15.00	3.00	6	64.68 Testis	Brain	LID not found
17618 29927	Hs.6957	R42317	18.82	1.00	16.62	7.00	0.00	19	250.9 Trachea	Esophagus	Nose
17619 26932	Hs.111782	R39878	34.33	3.89	8.61	2.00	0.00	9	414.81 CNS	Blood	Pooled
17623 1473274	Hs.9615	AA877166	296.00	2.64	111.87	5.00	4.00	13	131.31 Brain	LID not found	Other
17625 812994	Hs.20084	AA464615	6.18	0.16	32.71	6.00	5.00	1	143.02	Testis	Pool
17626 29828	Hs.114360	R42331	61.24	8.18	5.04	0.00	1.00	22	142.53 Brain	LID not found	Other
17627 26532	Hs.167405	R39877	6.11	1.37	5.84	1.00	0.00	9	137.74 Adrenal gland	Breast	Pool
17634 29584	Hs.159638	R42520	23.06	4.06	5.88	1.00	0.00	8	518.22 CNS	Pool	-
17635 823815	Hs.120381	AA56264	5.50	0.36	15.31	3.00	1.00	7	675.52 Spleen	Blood	Ovary
17638 724980	Hs.210381	AA56269	20.98	2.13	9.84	5.00	0.00	12	215.52 Brain	LID not found	Whole embryo
17641 813151	Hs.126846	AA456299	6.78	1.00	6.78	1.00	0.00	16	44.94 Lymph node	Skin	Pooled
17644 740748	Hs.108138	AA478693	122.07	13.86	8.75	4.00	2.00	3	123.15 Foreskin	Prostate	Uterus
17645 823811	Hs.63382	AA460279	74.63	2.69	27.74	14.00	3.00	12	226.22 Brain	LID not found	Other
17651 27533	Hs.25214	R37079	12.65	1.00	12.65	8.00	6.00	19	-11.2 Synovial mem	Thyroid	Eye
17652 725872	Hs.114418	AA394130	7.33	0.10	73.34	8.00	0.00	13	112.85 Brain	LID not found	Other
17653 823815	Hs.102381	AA490280	13.30	1.74	7.87	1.00	0.00	5	123.85 Umbilical cord	Pancreas	Ovary
17654 30804	Hs.25068	R49117	125.73	6.05	20.79	2.00	0.00	12	238.8 Head and nec	Eye	Nose
17655 1493383	Hs.214559	AA884894	27.15	0.55	49.37	7.00	0.00	7	483.31 Smooth musc	Foreskin	Brain
17658 30077	Hs.133883	R42543	6.50	0.00	650141.94	4.00	0.00	10	355.49 Thyroid	Aorta	Stomach
17659 27711	Hs.106561	R40025	25.25	1.20	21.10	2.00	0.00	17	67.93 CNS	Prostate	Lymph
17660 723746	Hs.142258	AA389410	85.66	6.85	9.86	2.00	0.00	18	337.96 Lymph	Ovary	Heart
17661 823860	Hs.72217	AA480496	165.53	9.78	18.98	17.00	0.00	5	408.91	Aorta	Whole embryo/Tonsil
17664 453183	Hs.33787	AA700222	11.77	1.00	11.77	7.00	5.00	11	229.07 Head and nec	Pancreas	Breast
17666 950778	Hs.20555	AA608636	17.40	3.34	5.21	2.00	0.00	8	463.92 CNS	Brain	LID not found
17667 270788	Hs.41091	N28801	6.66	1.17	5.68	1.00	0.00	12	187.58 CNS	LID not found	Other
17670 951313	Hs.214742	AA620591	40.60	6.42	6.31	1.00	0.00	2	479.01 CNS	Lung	Tonsil
17671 280327	Hs.46668	N47049	7.33	1.00	7.33	2.00	0.00	4	345.52 Pool	LID not found	Other
17674 994894	Hs.180003	AA172372	65.73	8.89	9.44	2.00	0.00	14	282.8 Lung	Heart	Tonsil
17688 965062	Hs.25307	AA133595	15.72	2.89	5.26	1.00	0.00	12	187.58 CNS	Heart	LID not found
17691 840970	Hs.54601	N93141	480.92	2.17	7.12	1.00	0.00	2	479.01 CNS	Lung	Tonsil
17702 590853	Hs.25405	AA158162	5.03	0.10	50.35	8.00	6.00	11	229.07 Head and nec	Pancreas	Breast
17703 792978	Hs.45693	N48590	5.01	1.00	5.01	2.00	2.00	8	463.92 CNS	Brain	LID not found
17711 277513	Hs.48707	N58868	22.27	2.74	8.12	2.00	0.00	12	187.58 CNS	LID not found	Other
17726 251606	Hs.25953	H98647	47.91	0.10	479.12	9.00	0.00	2	479.01 CNS	Lung	Tonsil
17727 260987	Hs.48741	N47589	6.74	1.00	6.74	2.00	0.00	4	345.52 Pool	LID not found	Other
17732 342039	Hs.57773	N60288	13.14	1.73	7.62	1.00	0.00	14	282.8 Lung	Heart	Tonsil
17733 307328	Hs.98770	N93470	25.40	0.65	46.19	9.00	6.00	12	187.58 CNS	Heart	LID not found
17735 273732	Hs.46742	N57475	7.10	1.00	7.10	2.00	0.00	2	479.01 CNS	Lung	Tonsil
17738 950461	Hs.21255	AA558107	426.73	61.58	8.93	3.00	0.00	4	345.52 Pool	LID not found	Other
17744 342066	Hs.57811	N61011	6.12	0.55	11.16	2.00	0.00	14	282.8 Lung	Heart	Tonsil
17746 308873	Hs.44210	N30886	5.58	1.00	5.56	2.00	0.00	12	187.58 CNS	Heart	LID not found
17756 308926	Hs.204712	N93801	19.92	2.25	8.84	1.00	0.00	11	229.07 Head and nec	Pancreas	Breast
17761 388057	Hs.54976	N93815	5.06	0.66	9.20	2.00	0.00	12	187.58 CNS	Heart	LID not found
17762 743242	Hs.67552	AA071514	13.07	1.88	6.95	1.00	0.00	11	229.07 Head and nec	Pancreas	Breast
17764 143380	Hs.97778	AA400136	5.98	0.00	597587.20	11.00	0.00	4	345.52 Pool	LID not found	Other
17769 368074	Hs.185685	R74206	308.75	47.55	6.45	2.00	0.00	12	187.58 CNS	Heart	LID not found
17770 743281	Hs.67553	AA071340	9.95	1.27	7.84	1.00	0.00	11	229.07 Head and nec	Pancreas	Breast
17774 731284	Hs.87781	AA400092	5.65	0.86	6.58	1.00	0.00	4	345.52 Pool	LID not found	Other
17779 731050	Hs.181687	AA416892	5.21	0.16	34.67	2.00	0.00	11	229.07 Head and nec	Pancreas	Breast
17780 193476	Hs.104829	AA421276	7.39	1.00	7.39	1.00	0.00	4	345.52 Pool	LID not found	Other
	Hs.113812	H47114	88.75	15.80	5.68	1.00	0.00	4	345.52 Pool	LID not found	Other

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17783 950836	Hs.216294	AA608679	77.25	14.82	5.28	2.00	0.00	Adipose	Tonsil
17787 731047	Hs.104830	AA421282	5.65	1.00	5.65	0.00	0.00	Testis	Ovary
17789 504290	Hs.103936	AA148579	141.70	22.22	6.38	1.00	0.00	Uterus	LID not found
17782 286172	Hs.110191	N74387	40.76	7.46	5.47	1.00	0.00	Prostate	LID not found
17785 731031	Hs.104831	AA421170	5.63	1.00	5.63	2.00	0.00	Testis	Testis
17788 187778	Hs.113944	R63515	8.02	1.00	8.02	1.00	0.00	Testis	Testis
17788 731248	Hs.98323	AA420968	6.57	1.00	6.57	2.00	0.00	Testis	LID not found
17789 294945	Hs.108482	N71482	5.46	1.00	5.46	2.00	1.00	Pool	LID not found
17802 742275	Hs.97794	AA400412	195.10	15.52	12.57	2.00	0.00	Testis	LID not found
17807 262060	Hs.216718	H99075	217.50	1.00	217.50	22.00	4.00	Testis	LID not found
17810 743277	Hs.177992	AA400414	5.04	1.00	5.04	1.00	0.00	Testis	Parathyroid
17815 238689	Hs.106502	H81554	5.06	0.10	50.76	5.00	4.00	Testis	Pool
17816 239580	Hs.204857	H81309	111.66	13.56	8.23	2.00	0.00	Testis	LID not found
17818 742555	Hs.97798	AA400434	5.90	1.00	5.90	1.00	0.00	Testis	LID not found
17822 731371	Hs.98330	AA421047	5.61	0.10	58.08	9.00	6.00	Testis	Uterus
17824 295349	Hs.203702	R76035	6.63	1.00	20.41	1.00	0.00	Tonsil	LID not found
17828 124252	Hs.220122	R20336	20.41	1.00	6.25	1.00	0.00	Pool	LID not found
17830 731040	Hs.98340	AA421271	6.25	1.00	6.25	1.00	0.00	Testis	LID not found
17831 610170	Hs.108548	AA053129	130.74	25.82	5.10	1.00	0.00	Small intestine	Blood
17839 220164	Hs.108558	H85101	6.34	1.00	6.34	1.00	0.00	Eye	LID not found
17845 491627	Hs.72082	AA150260	9.00	1.68	5.37	1.00	0.00	Uterus	LID not found
17846 731037	Hs.98346	AA421468	8.53	1.00	6.53	2.00	0.00	Testis	LID not found
17848 284953	Hs.182059	N74924	6.60	1.02	5.33	1.00	0.00	Pool	Ovary
17848 611953	Hs.68761	AA180060	193.45	32.24	6.01	1.00	0.00	Uterus	Pool
17853 481680	Hs.72065	AA150401	8.98	0.82	11.00	2.00	0.00	Testis	LID not found
17862 731198	Hs.98325	AA417354	416.88	46.26	9.01	2.00	0.00	Kidney	Colon
17866 509718	Hs.63428	AA053314	298.63	34.33	8.77	2.00	0.00	Whole embryo	LID not found
17867 1035432	Hs.36763	AA821844	206.15	37.88	5.44	1.00	0.00	Adipose	Parathyroid
17868 728582	Hs.220188	AA399135	41.36	4.99	8.29	3.00	0.00	Adipose	Brain
17873 32310	Hs.2035457	R42714	411.22	87.19	6.12	1.00	0.00	Brain	LID not found
17875 1035457	Hs.20356	AA621665	59.86	8.02	7.46	2.00	0.00	Whole embryo	LID not found
17877 262327	Hs.42580	H99398	69.03	10.45	9.48	2.00	0.00	Foreskin	LID not found
17879 787854	Hs.483742	AA452138	7.74	1.12	6.89	1.00	0.00	Whole embryo	Brain
17881 41128	Hs.20622	R59116	75.74	1.00	75.74	9.00	4.00	Brain	LID not found
17882 275730	Hs.68445	R94845	12.81	1.00	12.81	1.00	0.00	Pool	LID not found
17886 731330	Hs.98256	AA416772	6.88	1.00	6.88	1.00	0.00	Testis	Liver
17887 1046484	Hs.104824	AA621132	12.65	1.00	12.65	2.00	0.00	Thymus	Kidney
17889 47481	Hs.85201	H11732	44.20	3.20	13.82	4.00	4.00	389.44	Gall bladder
17891 774420	Hs.218691	AA448103	90.43	8.90	10.16	3.00	0.00	Testis	Bone
17894 731356	Hs.98259	AA416788	7.14	1.00	7.14	2.00	0.00	Testis	LID not found
17897 50762	Hs.159837	H17333	19.17	1.76	10.87	2.00	1.00	153.9	Brain
17900 36694	Hs.216333	R48662	61.77	7.22	8.96	2.00	0.00	273.85	Brain
17903 43101	Hs.26708	R59936	8.93	0.86	13.54	5.00	1.00	195.89	Brain
17912 27816	Hs.27237	R40480	20.62	2.13	9.70	6.00	1.00	115.92	Pooled
17913 50816	Hs.31480	H17518	5.31	0.85	5.91	1.00	0.00	Brain	Brain
17922 480536	Hs.70944	AA126594	12.90	2.19	5.88	1.00	1.00	451.77	Kidney
17923 75644	Hs.168885	T58430	56.48	1.54	36.80	8.00	6.00	344.82	Uterus
17924 41569	Hs.4243	R52901	7.41	1.26	5.01	2.00	0.00	Brain	Muscle
17926 757240	Hs.98448	AA428088	7.24	1.00	7.24	1.00	0.00	Testis	LID not found
17929 48836	Hs.32459	H28207	15.27	1.00	15.27	8.00	4.00	Brain	LID not found
17931 82556	Hs.167246	T73264	19.07	0.10	180.71	9.00	6.00	426.34	Ovary
17932 27330	Hs.4269	R37165	14.30	1.00	14.30	3.00	1.00	Epididymis	Adrenal gland
17933 42123	Hs.13351	R59821	18.66	1.66	11.40	3.00	0.00	Parathyroid	Pooled
17939 627506	Hs.109260	AA191518	16.75	1.63	10.31	2.00	0.00	Cornea	Muscle
17942 757257	Hs.97411	AA426082	18.83	0.89	21.18	8.00	0.00	Testis	Parathyroid
17944 23106	Hs.148580	R40780	16.59	2.72	6.10	1.00	0.00	23.91	Tonsil
								CNS	Pool

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17947	75527	Hs.173994	T55565	29.57	4.85	6.10	1.00	0.00	1	339.27	Head and nec	Spleen	Blood
17949	254117	Hs.43119	N22230	10.03	1.97	5.09	1.00	0.00	4	500.53	Ear	LID not found	Other
17951	39313	Hs.154655	R51362	13.40	0.00	1340081.28	3.00	0.00	13	128.62	Small intestine	CNS	Pooled
17954	721200	Hs.97312	AA402482	6.92	1.20	5.77	1.00	0.00	5	595.86	Testis	LID not found	Other
17955	43294	Hs.23373	H05082	8.73	0.55	15.87	8.00	6.00	5	595.86	Aorta	Heart	Brain
17957	811764	Hs.218061	AA463444	9.96	0.55	18.15	8.00	5.00	5	595.86	Ovary	Aorta	Pancreas
17958	781878	Hs.181967	AA452156	93.56	5.54	16.87	3.00	1.00	10	76.85	Whole embryo	LID not found	Other
17959	869235	Hs.90043	AA235774	8.99	0.59	11.82	2.00	3.00	10	76.85	Brain	Aorta	Whole embryo
17961	787432	Hs.43548	AA417833	6.81	0.31	21.98	1.00	0.00	5	557.43	Fore skin	Lung	Pool
17964	384587	Hs.155090	AA708886	18.10	2.21	8.21	2.00	0.00					
17972	392390	Hs.34471	AA707922	5.44	1.00	5.44	1.00	0.00					
17975	669254	Hs.41104	AA233780	37.93	5.04	7.52	1.00	0.00					
17976	1391682	Hs.77313	AA789328	6.67	0.38	17.51	8.00	6.00					
17977	767449	Hs.98280	AA418000	7.38	1.00	7.38	1.00	0.00					
17982	780807	Hs.23552	AA453170	14.32	2.34	6.13	1.00	0.00	8	143.24	Synovial men	Bone	Pooled
17986	769552	Hs.100519	AA462216	100.00	1.00	100.00	9.00	6.00	19	301.37	Ovary	Spleen	Blood
17989	811783	Hs.219037	AA463462	6.36	1.00	6.36	2.00	0.00					
17993	787481	Hs.25986	AA418004	21.98	1.00	21.98	4.00	0.00	1	552.37	Pancreas	Thyroid	Lymph
17994	727302	Hs.31773	AA401724	8.27	0.93	8.93	4.00	0.00	16	468.1	Liver	Breast	Parathyroid
17997	811785	Hs.8687	AA463463	34.68	2.00	17.34	7.00	6.00					
18000	1376853	Hs.115481	AA812808	6.89	1.00	6.89	1.00	0.00	7	164.48	Fore skin	Pool	LID not found
18007	665374	Hs.44330	AA232200	5.80	1.00	5.80	1.00	0.00	19	162.31	Tonsil	Lung	Brain
18011	43815	Hs.101643	H05741	78.24	0.07	1065.36	9.00	6.00					
18013	811607	Hs.18091	AA453478	6.61	1.00	6.61	2.00	0.00					
18014	788209	Hs.212800	AA453433	6.79	0.31	21.96	9.00	6.00					
18015	668334	Hs.75478	AA232249	31.14	3.82	8.60	2.00	0.00					
18016	1393018	Hs.331	AA843718	13.50	0.08	178.98	8.00	5.00	16	216.84	Skin	Lymph	Brain
18018	785342	Hs.217804	AA478494	71.79	8.97	8.00	2.00	0.00	X	273.05	Umbilical cord	Thyroid	Stomach
18019	43828	Hs.205878	H05769	21.31	1.82	13.17	7.00	1.00	12	22.39	Thymus	Eye	Breast
18022	786217	Hs.34359	AA453437	11.52	1.82	6.32	3.00	2.00	5	124.25	Whole embryo	Pool	
18025	767486	Hs.218191	AA418015	9.01	1.78	5.06	1.00	0.00	1	108.17	Germ Cell	Kidney	Prostate
18027	43829	Hs.22867	H05770	65.85	10.31	8.39	1.00	0.00	7	514.75	Ignore	Esophagus	Gall bladder
18028	268720	Hs.154729	N22904	11.09	0.55	20.17	6.00	2.00					
18029	811621	Hs.17804	AA463484	10.81	1.00	10.81	3.00	0.00	7	514.75	Pooled	Fore skin	Lymph
18033	767488	Hs.203505	AA418033	6.51	0.15	58.44	1.00	0.00	8	646.23	Bone	Kidney	Tonsil
18034	765368	Hs.220354	AA476578	53.97	4.32	12.48	6.00	0.00					
18037	811828	Hs.106869	AA463525	7.44	1.00	7.44	1.00	0.00	7	675.53	Ovary	Eye	Whole embryo
18039	666371	Hs.425699	AA232845	17.27	1.04	16.84	4.00	0.00	15	119.58	Fore skin	Uterus	Uterus
18041	767642	Hs.98288	AA418273	5.67	1.00	5.67	3.00	0.00					
18042	765391	Hs.71114	AA478604	43.52	4.80	8.89	3.00	0.00	13	148.45	Tonsil	Whole embryo	Placenta
18046	78570	Hs.166017	N86177	15.85	2.08	7.64	2.00	1.00	3	215.24	Fore skin	Cervix	Brain
18048	788234	Hs.34853	AA454080	62.67	4.52	13.88	1.00	3.00	6	78.3	Thyroid	Bone	Ovary
18050	838448	Hs.31287	AA457501	143.27	8.69	14.78	6.00	1.00	2	557.67	Small intestine	Ear	Adrenal gland
18051	259816	Hs.48472	N82178	67.84	10.73	5.39	1.00	0.00					
18056	839580	Hs.31445	AA469804	10.53	1.53	6.87	1.00	0.00	12	109.01	Ear	Eye	Breast
18071	673351	Hs.49500	AA180789	154.18	5.50	28.05	9.00	3.00	4	104.13	Small intestine	Cervix	Cervix
18078	251565	Hs.42212	H96630	44.99	8.73	5.11	1.00	0.00	2	338.02	Fore skin	LID not found	Other
18078	296220	Hs.48530	N86530	9.08	1.00	9.08	1.00	2.00					
18082	328021	Hs.31518	W45499	6.74	1.00	6.74	2.00	0.00					
18083	287721	Hs.48454	N62231	184.41	32.14	5.74	2.00	0.00					
18086	731016	Hs.42239	AA421258	6.08	0.55	11.09	8.00	6.00	2	631.79	Testis	Testis	Lung
18090	757191	Hs.85959	AA443958	289.54	23.10	12.54	6.00	1.00					
18092	418159	Hs.8139	W90588	30.25	1.00	30.25	6.00	0.00					
18096	743118	Hs.81509	AA401393	6.42	1.00	6.42	2.00	0.00	1	558.14	Synovial mem	Brain	Eye
18108	773138	Hs.219551	AA425373	19.27	1.00	19.27	3.00	1.00	1	75.41	Uterus	Testis	LID not found
18107	290251	Hs.46503	N62275	5.24	0.68	7.97	1.00	0.00					
18108	356943	Hs.50363	W93299	5.80	1.00	5.80	2.00	0.00					

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18110	260116	Hs.42265	N32044	6.74	0.21	32.11	2.00	0.00	0.00	15	208.32	Pool	Testis	LID not found
18112	366801	Hs.61557	A4029430	8.16	0.10	61.90	3.00	0.00	0.00	14	82.77	Heart	Pool	LID not found
18116	418356	Hs.49366	W82775	22.03	3.80	0.12	3.00	1.00	0.00			Tonsil	Pool	LID not found
18124	358949	Hs.58609	W82847	8.80	0.55	12.51	4.00	0.00	0.00			Heart	Breast	Pool
18136	389708	Hs.61568	A4029561	6.42	1.00	6.42	2.00	0.00	0.00	3	660.06	Heart	Testis	Whole embryo
18142	251645	Hs.42338	H87033	9.37	1.05	9.92	1.00	0.00	0.00			Forekin	Uterus	LID not found
18144	565779	Hs.187133	AA135870	188.04	17.42	9.65	3.00	0.00	0.00	11	40.11	Uterus	Lung	Pool
18150	279656	Hs.102607	M48976	5.85	1.00	5.85	1.00	0.00	0.00	5	577.1	CNS	LID not found	Other
18155	269885	Hs.94113	N62079	5.48	1.00	5.48	2.00	0.00	0.00			CNS	LID not found	Other
18180	121573	Hs.193766	T87723	25.38	5.10	5.01	1.00	0.00	0.00	11	412.03	Pool	Adipose	Umbilical cord
18193	590120	Hs.111516	AA156022	16.35	1.76	9.32	1.00	0.00	0.00			Testis	LID not found	Other
18194	1031731	Hs.112728	AA599591	5.64	1.00	6.64	2.00	0.00	0.00			Testis	Colon	Colon
18185	757368	Hs.91299	AA437126	9.38	0.10	93.76	8.00	6.00	0.00			Testis	Pool	LID not found
18186	782847	Hs.95169	AA448283	5.86	1.00	5.86	1.00	0.00	0.00			CNS	LID not found	Other
18190	260683	Hs.102650	N50517	5.13	1.00	5.13	0.00	1.00	0.00	5	528.65	Testis	Pool	LID not found
18191	798739	Hs.9768	AA480716	75.17	14.97	5.02	1.00	0.00	0.00			Testis	Prostate	Whole embryo
18192	1031736	Hs.112729	AA609594	7.68	1.00	7.68	2.00	0.00	0.00			Prostate	Lymph	Whole embryo
18193	511233	Hs.83883	AA088701	9.87	0.43	22.74	8.00	5.00	0.00			Prostate	LID not found	Other
18198	290565	Hs.102731	N62275	57.84	8.73	5.62	1.00	0.00	0.00	5	631.78	Pool	LID not found	Other
18204	192225	Hs.102755	H41160	27.38	4.08	6.74	3.00	2.00	0.00			Ear	Prostate	Pool
18205	285443	Hs.102754	N66393	46.97	7.96	5.90	1.00	1.00	0.00			Testis	Pool	LID not found
18208	1031765	Hs.178247	AA609827	8.20	1.00	8.20	1.00	0.00	0.00	1	306.79	Ear	Bone	Blood
18212	206913	Hs.124898	R86898	11.61	1.00	11.61	1.00	0.00	0.00			Lung	Colon	Testis
18214	786711	Hs.102766	AA460702	13.84	1.00	13.84	3.00	0.00	1.00			Liver	CNS	Aorta
18216	1031791	Hs.112742	AA609851	30.13	1.00	30.13	2.00	1.00	0.00			Testis	LID not found	Other
18217	280465	Hs.84521	N51580	86.02	10.89	7.90	1.00	0.00	0.00			Kidney	Lung	Pool
18218	795255	Hs.98250	AA454005	7.53	0.10	7.53	1.00	0.00	0.00	8	323.97	Ear	Tonsil	Brain
18221	299580	Hs.123667	N74985	7.11	1.00	7.12	1.00	0.00	0.00			Testis	Testis	Germ Cell
18222	287281	Hs.164297	N69992	10.37	1.51	6.87	1.00	0.00	0.00			Testis	Pool	LID not found
18223	743564	Hs.111726	AA609441	6.86	1.00	6.86	1.00	0.00	0.00	2	22.39	Umbilical cord	Adipose	Cervix
18224	1031803	Hs.112744	AA609857	6.43	1.00	6.43	4.00	1.00	0.00	9	347.26	Ear	Stomach	Placenta
18225	345601	Hs.84628	W72043	119.39	5.10	23.43	4.00	1.00	1.00	6	74.82	Esophagus	Gall bladder	Blood
18230	843041	Hs.102773	AA488418	104.99	8.94	11.74	7.00	0.00	0.00	3	219.97	Ear	Spleen	Mucosa
18233	133136	Hs.110713	R25377	151.57	26.08	5.40	3.00	0.00	0.00			Testis	Pool	LID not found
18234	795325	Hs.195452	AA454177	589.92	60.39	9.69	2.00	0.00	0.00			Ear	Brain	LID not found
18245	285561	Hs.84318	AA173755	72.40	6.84	10.43	10.00	0.00	0.00	2	131.79	CNS	Whole embryo	Pool
18246	1031510	Hs.112670	N65454	7.62	1.00	7.62	2.00	0.00	0.00	10	287.73	Smooth muscle	Lymph	Cervix
18248	754303	Hs.21107	AA478259	18.82	3.44	5.78	1.00	0.00	0.00	3	516.76	Placenta	Testis	Pool
18249	280362	Hs.5245	AA417825	24.65	2.02	12.20	4.00	1.00	0.00			CNS	LID not found	Other
18252	752744	Hs.112671	AA609245	23.39	1.00	23.39	4.00	0.00	0.00	1	689.77	Penitential ner	Umbilical cord	Placenta
18251	278906	Hs.49235	N66627	10.28	1.00	10.28	2.00	0.00	0.00			CNS	LID not found	Other
18265	282780	Hs.47021	N50108	5.90	1.00	5.90	1.00	0.00	0.00			Testis	LID not found	Other
18266	213635	Hs.85289	H72113	23.57	1.54	15.30	0.00	5.00	0.00	1	371.14	CNS	LID not found	Other
18270	1031548	Hs.112676	AA609282	13.04	2.42	5.36	1.00	0.00	0.00			Testis	LID not found	Other
18273	282782	Hs.47022	N50109	8.23	1.00	8.23	2.00	0.00	0.00	1		CNS	LID not found	Other
18274	281100	Hs.45203	N50928	8.74	1.00	8.74	2.00	0.00	0.00			Ear	Adrenal gland	Whole embryo
18275	786624	Hs.91384	AA480530	7.89	1.00	7.89	1.00	0.00	0.00	9	299.58	Bone	Germ Cell	
18276	1031562	Hs.112679	AA609289	6.75	1.00	6.75	2.00	0.00	0.00			CNS	LID not found	Other
18278	666707	Hs.55802	AA233892	27.36	3.47	7.90	1.00	1.00	0.00	1	72.68	Thyroid	Pool	Bone
18281	282831	Hs.47022	N50138	6.71	1.00	6.71	2.00	0.00	0.00			Ear	LID not found	Other
18284	752837	Hs.13766	AA438384	17.89	2.40	7.47	2.00	0.00	0.00	18	427	Adrenal gland	Blood	Ear
18285	287190	Hs.49287	N66900	9.44	1.00	8.44	2.00	0.00	0.00	6	201.27	Adrenal gland	Blood	Ear
18290	289832	Hs.148409	N83172	76.24	4.81	16.53	4.00	0.00	0.00	11	47.28	Ear	LID not found	Other
18298	811877	Hs.11050	AA454630	58.40	8.26	7.07	1.00	1.00	0.00					
18301	286632	Hs.49392	N67868	18.76	2.99	5.62	1.00	0.00	0.00					

Table 3A

[illegible]

Table 3A

18427	530608	Hs.187932	AA071089	34.95	0.21	164.94	9.00	6.00	17	17.13	Eye	Fore skin	Uterus
18428	269606	Hs.79396	N26769	8.16	0.17	49.03	9.00	6.00	18	18.85	Unilateral cord	Pooled	
18429	823932	Hs.219766	AA490210	15.53	0.80	19.48	2.00	0.00			Ear	Pooled	
18432	470032	Hs.25220	AA028283	16.26	1.00	16.26	1.00	1.00	22	96.86	Ignore	Heart	LID not found
18435	205582	Hs.78534	H58175	97.69	1.72	56.78	5.00	1.00	4	350.76	Pool	Blood	Spleen
18438	688081	Hs.35	AA282719	15.09	1.88	8.02	4.00	1.00	1	887.01	Lymph		
18439	245980	Hs.216507	N53357	65.33	0.61	108.43	9.00	6.00	14	283.02	CNS	Pooled	
18442	486076	Hs.5091	AA040079	41.19	7.79	5.29	2.00	0.00	9	399.99	Eye	Tonsil	Pool
18446	175950	Hs.173534	H40800	6.46	0.24	42.29	2.00	0.00	3	48.76	546.6 Skin	Aorta	Brain
18454	706571	Hs.65693	AA283949	122.19	18.29	27.31	9.00	4.00	16	129.03	Lymph nodes	Testis	Pool
18460	159304	Hs.65128	R73487	5.51	0.58	9.36	8.00	5.00	X	Stomach	Breast	Germ Cell	
18467	205447	Hs.8173	N59078	59.04	8.04	7.34	3.00	0.00		Pool	LID not found	Other	
18471	712600	Hs.162808	AA281784	32.78	5.22	6.28	3.00	0.00	1	41.96	Skull	Fore skin	Adrenal gland
18482	156982	Hs.16361	N59073	210.71	36.05	5.84	1.00	0.00	11	417.79	Breast	Heart	Germ Cell
18487	247469	Hs.216331	R74821	14.52	2.70	5.38	1.00	0.00	12	382.5	CNS	Blood	Muscle
18502	713103	Hs.210493	AA284634	21.42	1.85	13.82	4.00	0.00	1	174.05	Smooth muscle	Liver	Gall bladder
18508	487458	Hs.76688	AA043436	10.68	0.68	15.67	2.00	0.00	18	449.08	Head and neck	Gall bladder	Bone
18507	206838	Hs.3742	H57782	34.54	1.00	34.54	4.00	1.00	3	327.75	Brain	Eye	LID not found
18512	176930	Hs.31597	H44866	5.31	1.00	5.31	2.00	0.00	8	73.73	Pool	LID not found	Other
18515	206720	Hs.37634	H60397	188.79	16.58	11.26	2.00	0.00	19	428.58	Testis	Testis	Kidney
18518	713236	Hs.240	AA282938	23.02	6.39	5.20	1.00	0.00	10	133.78	Lymph	Tonsil	Breast
18519	217370	Hs.10884	N56010	172.84	33.81	5.10	1.00	0.00	22	446.13	Brain	LID not found	Other
18520	177577	Hs.205989	H42983	7.92	1.00	7.92	1.00	0.00	8	384.53	Gall bladder	Uterus	Muscle
18522	489535	Hs.69285	AA098867	30.51	3.18	9.61	9.00	1.00	5		Adrenal gland	Aorta	Parathyroid
18528	177635	Hs.162127	H43004	13.24	2.53	5.23	1.00	0.00			Tonsil	CNS	
18529	395459	Hs.20358	V80730	6.57	1.00	6.56	0.00	0.00	11	326.7	Tonsil	CNS	Pleocenta
18531	1240280	Hs.122363	AA786641	120.31	2.33	51.02	4.00	0.00	15	243.19	Adrenal gland	Tonsil	CNS
18532	435714	Hs.163007	AA699972	5.06	0.10	50.61	2.00	1.00	12	399.8	Thyroid	Whole embryo	
18533	413109	Hs.7396	AA707814	5.52	0.39	14.02	1.00	0.00			Tonsil	CNS	Blood
18534	277621	Hs.219176	N49389	34.08	6.18	5.54	0.00	1.00					
18535	415610	Hs.20355	V80730	6.57	1.00	6.56	0.00	0.00					
18537	395483	Hs.163129	AA757871	5.09	1.00	5.09	1.00	0.00					
18538	272750	Hs.198728	N36233	89.82	11.89	7.69	3.00	1.00					
18541	413120	Hs.192674	AA707818	907.26	28.92	17.80	2.00	0.00					
18542	277779	Hs.101882	N49818	9.76	1.76	5.49	1.00	0.00					
18545	392703	Hs.182720	AA708054	11.98	2.10	6.70	1.00	0.00					
18547	1240304	Hs.194444	AA788648	285.73	37.70	7.58	2.00	0.00					
18549	413148	Hs.12813	AA707871	55.51	8.39	5.91	2.00	0.00					
18551	413757	Hs.131868	V84754	14.72	1.40	10.52	2.00	0.00	7	519.26	Larynx	Pool	Tonsil
18559	415815	Hs.20586	V84788	5.14	0.36	9.16	1.00	0.00					
18563	1240170	Hs.192057	AA708315	7.76	1.00	7.76	1.00	0.00					
18569	395409	Hs.118545	AA757414	50.80	1.59	31.97	2.00	0.00					
18571	1240177	Hs.97692	AA705339	5.46	0.10	54.56	1.00	0.00					
18578	273536	Hs.134854	N36927	26.72	4.71	5.67	1.00	0.00	15	147.26	Fore skin	Kidney	Prostate
18580	435684	Hs.13151	AA698951	20.04	1.74	11.32	2.00	1.00					
18581	235905	Hs.93442	H52247	15.62	1.63	8.55	2.00	0.00					
18594	290654	Hs.216251	N71714	85.42	6.27	13.62	2.00	0.00					
18599	416044	Hs.191384	V88784	68.36	4.80	12.14	3.00	0.00	5	368.51	Pool	LID not found	Other
18600	450233	Hs.180555	AA703553	21.14	1.83	11.57	1.00	0.00					
18601	395674	Hs.121241	AA757688	8.42	1.68	6.00	1.00	0.00					
18602	290687	Hs.139178	N71758	113.78	12.52	9.09	2.00	0.00					
18604	435726	Hs.188583	AA700767	5.97	0.10	58.66	2.00	0.00	1	841.15	Pooled	Ovary	LID not found
18603	236096	Hs.117786	H53834	6.50	1.00	6.50	3.00	0.00					
18608	450268	Hs.77639	AA703582	10.22	0.43	23.67	1.00	0.00					

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18759	146914	Hs.21103	R42802	10.06	1.29	7.82	1.00	0.00	6	172.31	Nose	Spleen	Placenta
18760	222527	Hs.216221	H44287	116.72	21.83	5.28	1.00	0.00	7	265.9	Head and nec	Esophagus	Ear
18767	148954	Hs.79648	H13181	73.32	1.00	73.32	23.00	0.00	15	165.59	Placenta	Pool	Aorta
18769	796599	Hs.10645	AA444053	17.04	0.55	30.98	7.00	6.00	17	492.18	Ovary	Pooled	Heart
18770	281010	Hs.106255	H47691	125.41	18.04	6.85	0.00	1.00			Umbilical cord	Foreskin	Skin
18781	265868	Hs.183428	N21470	33.86	1.67	20.23	0.00	5.00			Ear	Foreskin	Breast
18784	454326	Hs.100768	AA877240	69.72	7.37	8.32	1.00	0.00	19	230.35	Stomach	Pool	Brain
18797	268019	Hs.116037	N21514	13.20	2.31	5.73	1.00	0.00			Nose	Foreskin	Whole embryo
18800	454469	Hs.173495	AA677337	42.99	5.45	7.88	2.00	0.00	16	63.51	Smooth muscle	Pancreas	Blood
18807	759986	Hs.211094	AA427415	16.84	0.10	166.37	8.00	6.00			Adrenal gland	Pooled	Brain
18804	451546	Hs.183839	AA707400	53.86	3.75	14.35	5.00	3.00	18	114.52	CNS	Brain	LID not found
18808	454472	Hs.101393	AA677323	11.62	1.87	6.22	2.00	0.00			Thyroid	Testis	Kidney
18814	265469	Hs.116113	N63996	9.31	1.00	9.31	2.00	0.00	12	101.74	CNS	Ear	Tonsil
18816	454446	Hs.105343	AA677309	11.90	0.43	27.82	9.00	6.00	3	671.5	Stomach	Foreskin	Pancreas
18818	281190	Hs.30627	N60976	30.79	4.14	7.44	0.00	2.00	18	115.51	Adrenal gland	CNS	Ear
18821	265283	Hs.284818	N25817	33.07	3.50	9.48	1.00	0.00			CNS	Kidney	Heart
18822	285505	Hs.448429	N59244	321.25	48.66	6.60	1.00	0.00	3	726.84	CNS	Pool	LID not found
18839	433604	Hs.178660	AA701668	23.07	0.59	39.37	1.00	0.00	X	231.75	Foreskin	LID not found	LID not found
18848	265852	Hs.218074	N39381	47.02	4.40	10.70	2.00	0.00	3	421.74	Foreskin	Whole embryo	Heart
18848	454468	Hs.188970	AA677336	8.55	1.33	6.42	1.00	0.00	3	35.64	Skin	Stomach	Uterus
18851	431646	Hs.116059	AA676441	16.85	0.91	18.46	2.00	0.00	19		Tonsil	LID not found	Other
18853	265455	Hs.183982	N27688	381.64	15.76	24.22	2.00	0.00			Tonsil	LID not found	Other
18861	265631	Hs.424719	N22766	8.69	1.36	6.37	2.00	0.00	X	205.56	CNS	Adipose	Heart
18865	624377	Hs.216713	AA469707	73.85	10.53	7.01	0.00	1.00	11	308.02	Blood	Pooled	Muscle
18871	662749	Hs.46542	AA210899	5.06	0.09	56.85	1.00	0.00	2		CNS	Stomach	LID not found
18873	33581	Hs.176657	R44914	5.37	1.00	5.37	1.00	0.00			Skin	LID not found	Other
18874	712257	Hs.98754	AA260428	8.75	0.42	18.14	1.00	0.00	19		Tonsil	LID not found	Other
18884	626268	Hs.193514	AA50982	5.82	0.69	8.09	1.00	0.00			Tonsil	LID not found	Other
18893	41447	Hs.9305	R58968	5.78	0.78	7.44	3.00	5.00	11		CNS	Muscle	Breast
18899	683279	Hs.198711	AA213820	21.77	2.48	8.79	3.00	0.00	2		CNS	Pooled	Muscle
18904	626355	Hs.74669	AA521036	58.41	4.93	11.86	6.00	1.00			Tonsil	Pool	LID not found
18908	814739	Hs.99725	AA454828	5.34	1.00	5.34	1.00	0.00	1	58.69	Peripheral ner	Parathyroid	Brain
18909	49369	Hs.14474	H15116	19.21	1.85	11.87	0.00	2.00	19	250.8	Tonsil	LID not found	Other
18910	814744	Hs.193958	AA454925	146.67	22.00	6.76	2.00	0.00	6	130.59	Small intestine	Smooth muscle	Foreskin
18914	491001	Hs.75207	AA136710	165.24	20.87	8.00	1.00	1.00	19	277.89	Pool	Heart	LID not found
18919	248073	Hs.20508	N58392	105.73	5.12	21.45	2.00	0.00	22	37.19	Testis	Pool	LID not found
18927	245528	Hs.130838	N59757	134.01	9.18	14.59	2.00	0.00	5	387.41	Aorta	Neural	Ear
18930	485631	Hs.214448	AA101875	149.77	11.78	12.71	6.00	3.00	5	975.16	Breast	Spleen	Colon
18932	165192	Hs.84630	H21582	7.51	1.00	7.51	1.00	0.00	7	200.68	Marrow	Thyroid	Umbilical cord
18938	469677	Hs.176773	AA095688	23.05	3.29	7.00	1.00	0.00	12	384.55	Pool	Whole embryo	Brain
18940	160233	Hs.170225	H21943	24.50	4.31	5.69	1.00	0.00	10	543.92	Adrenal gland	Placenta	Heart
18943	246669	Hs.8941	N59553	5.18	0.50	10.28	7.00	6.00	14	278.45	Breast	Pool	Germ Cell
18946	489755	Hs.219851	AA089554	42.69	2.84	15.02	16.00	2.00	2	568.56	Pool	Whole embryo	Testis
18947	205341	Hs.57637	H58736	5.46	0.10	54.60	8.00	6.00	16	173.59	Stomach	Nose	Prostate
18956	161362	Hs.122853	H25413	58.69	5.55	10.57	2.00	0.00	14	123.72	Lymph node	Gall bladder	Ear
18963	205457	Hs.125029	H63375	76.49	12.13	6.47	2.00	0.00	14	278.55	Pool	LID not found	Other
18966	814287	Hs.59742	AA459013	17.14	1.78	9.64	5.00	0.00	6	72.92	Pool	LID not found	Other
18970	502177	Hs.78344	AA125889	36.28	1.55	23.35	18.00	0.00			Stomach	Breast	Germ Cell
18974	814303	Hs.195184	AA459106	98.97	15.78	6.33	2.00	0.00	3	159.89	CNS	Tonsil	Pancreas
18975	275116	Hs.19504	R65452	83.91	7.11	11.81	2.00	0.00	2	743.9	Head and nec	Thymus	Adrenal gland
18978	208755	Hs.37745	H59585	307.32	32.07	10.52	2.00	0.00	3	158.15	Larynx	Head and nec	Muscle
18977	208050	Hs.26464	H39788	9.50	0.22	43.54	8.00	5.00	3	213.74	CNS	Muscle	Whole embryo
18982	506032	Hs.20716	AA170848	72.99	10.48	6.98	2.00	0.00			CNS	Tonsil	Pancreas
19006	814773	Hs.145443	AA454950	14.20	0.18	91.31	8.00	8.00	3		Head and nec	Thymus	Adrenal gland
19010	291341	Hs.190271	N72283	63.17	11.12	5.68	0.00	1.00	2		CNS	Head and nec	Muscle
19013	714414	Hs.110251	AA263215	113.94	13.54	6.41	1.00	0.00	3		CNS	Muscle	Whole embryo
19022	277986	Hs.208635	N83445	13.98	1.54	8.09	0.00	1.00	3		CNS	Muscle	Whole embryo

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19037 236413	Hs.106810	H62421	19.65	2.50	7.95	1.00	0.00	Ovary	LID not found	Other
19040 454002	Hs.118002	A4882863	26.63	1.84	14.48	2.00	0.00	Foreskin	Pool	LID not found
19042 291272	Hs.219821	N72217	10.11	0.14	69.95	9.00	8.00	143.5	Head and nec	Whole embryo/kidney
19047 416325	Hs.128450	W65951	5.22	0.90	5.80	1.00	0.00	Kidney	Pool	LID not found
19048 450409	Hs.168862	A4882768	17.82	3.01	5.92	1.00	0.00	Pool	LID not found	Other
19055 416328	Hs.14158	W68435	82.96	5.80	10.86	2.00	0.00	28	Gall bladder	Parathyroid
19058 291557	Hs.219861	N72888	12.66	0.48	27.47	8.00	0.00	105.87	Foreskin	Pancreas
19081 714188	Hs.45100	A4293182	113.90	18.32	6.22	1.00	0.00	81.23	Small intestine	Blood
19082 278404	Hs.108088	N66093	5.88	1.00	5.88	1.00	0.00	315.32	CNS	LID not found
19084 450364	Hs.110953	A4703846	8.48	0.16	54.40	7.00	6.00	23.4	Adipose	Gall bladder
19086 435817	Hs.183788	A4701527	43.78	8.19	5.35	1.00	0.00	125.26	Peripheral nei	Nose
19072 450382	Hs.57929	A4703852	16.86	1.51	12.59	1.00	2.00	Spleen	-	Pooled
19084 435835	Hs.167898	A4701535	12.80	1.54	8.40	1.00	0.00	Uterus	-	-
19085 725109	Hs.110571	A4404686	19.87	3.83	5.41	1.00	0.00	501.47	Foreskin	Kidney
19090 291426	Hs.7218	N67766	27.74	3.48	7.98	0.00	2.00	137.38	Muscle	Stomach
19091 309447	Hs.8769	N64344	23.77	2.34	10.14	8.00	3.00	306.61	Lymph node	Whole embryo/Tonsil
19092 435845	Hs.172189	A4701550	5.53	0.39	14.32	8.00	5.00	118.59	Tonsil	LID not found
19088 291462	Hs.125221	N72847	127.20	21.82	5.00	1.00	0.00	80.62	Pooled	Stomach
19103 824175	Hs.15220	A4488805	44.13	4.30	10.27	0.00	1.00	528.33	Bone	Adrenal gland
19106 703559	Hs.88523	A4278885	9.82	1.02	9.66	1.00	0.00	-8.83	Penicillae nei	Gall bladder
19112 814285	Hs.84414	A4458012	48.97	7.00	7.00	0.00	0.00	121.02	Thyroid	Parathyroid
19118 703836	Hs.183419	A4278584	43.54	4.23	10.30	2.00	0.00	249.74	Gall bladder	Thyroid
19119 506575	Hs.23918	A4706508	81.95	5.65	10.86	15.00	5.00	240.15	Tonsil	Eye
19120 814329	Hs.78591	A4458119	5.31	0.55	9.65	7.00	6.00	458.69	Foreskin	Eye
19121 825005	Hs.44198	A4485199	56.56	9.65	6.90	0.00	1.00	505.52	Stomach	Colon
19127 743910	Hs.30114	A4634371	18.75	1.40	12.01	1.00	0.00	227.4	Synovial mem	Nose
19130 703751	Hs.85589	A4278780	8.78	0.10	82.88	8.00	0.00	425.57	Adipose	Breast
19137 825076	Hs.183434	A4488232	180.13	15.31	11.78	1.00	0.00	Esotropagus	Skin	Uterus
19141 875229	Hs.19077	A4504139	28.50	0.10	284.96	9.00	6.00	343.82	Eye	Lung
19142 703827	Hs.106709	A4278842	19.35	0.10	193.53	9.00	6.00	217.17	Eye	Brain
19144 814416	Hs.202972	A4458528	25.89	1.98	13.10	8.00	0.00	229.82	Placenta	Tonsil
19145 825234	Hs.162604	A4504132	178.45	12.33	14.47	2.00	0.00	683.55	Stomach	Skin
19149 825264	Hs.13682	A4504202	40.39	6.98	5.78	1.00	0.00	571	CNS	Testis
19150 703838	Hs.40538	A4278536	7.37	0.10	79.66	8.00	5.00	317.7	Eye	Pooled
19151 744905	Hs.19841	A4278568	178.14	21.13	8.48	4.00	1.00	278.24	Eye	Lung
19155 133872	Hs.216291	R27982	22.69	3.21	7.08	0.00	1.00	448.91	Placenta	LID not found
19156 361570	Hs.216340	AA011770	257.47	22.58	11.41	3.00	1.00	141.57	Eye	LID not found
19176 223121	Hs.114256	H84130	15.25	2.31	8.61	1.00	0.00	646.08	CNS	Adrenal gland
19178 878015	Hs.119177	AA870422	77.91	8.42	9.21	3.00	0.00	34.23	Placenta	LID not found
19183 148288	Hs.212183	R82644	48.57	6.18	7.86	2.00	0.00	Brain	CNS	Brain
19188 40026	Hs.2043	R53642	46.33	0.24	102.51	9.00	8.00	Eye	Umbilical cord	Bone
19187 134430	Hs.8963	R32025	11.67	0.88	13.22	4.00	4.00	Pancreas	Pancreas	LID not found
19188 351659	Hs.12861	W98189	58.02	5.83	9.82	1.00	0.00	358.78	Placenta	LID not found
19194 49553	Hs.183153	H15085	32.18	3.82	8.43	2.00	1.00	402.88	Pool	Other
19196 361660	Hs.180532	W98187	32.38	3.01	10.76	1.00	0.00	675.42	Uter	Ovary
19203 135065	Hs.176220	R31413	38.46	7.57	5.08	1.00	0.00	356.65	Marrow	Umbilical cord
19204 361768	Hs.59752	W95948	58.09	7.40	7.85	2.00	0.00	33.56	Placenta	Pooled
19212 382378	Hs.21385	AA018437	5.51	0.59	9.29	4.00	4.00	Adrenal gland	Bone	-
19220 382419	Hs.155829	AA018336	28.23	2.80	10.10	1.00	1.00	LID not found	Other	-
19223 148446	Hs.113742	H04389	24.61	1.83	13.44	1.00	0.00	Brain	CNS	-
19228 382424	Hs.13328	AA018480	5.23	1.00	5.23	1.00	3.00	Eye	Umbilical cord	Bone
19234 852253	Hs.74405	AA633987	330.22	55.58	5.84	1.00	0.00	358.78	Placenta	LID not found
19235 134818	Hs.107060	R32326	5.08	0.77	6.98	1.00	0.00	402.88	Pool	Other
19238 194717	Hs.34333	R89848	13.27	1.01	13.10	10.00	0.00	675.42	Uter	Ovary
19239 148547	Hs.214861	H00298	12.32	2.31	5.34	1.00	0.00	356.65	Marrow	Umbilical cord
19242 971357	Hs.118890	AA683050	2957.43	589.72	5.01	0.00	1.00	33.56	Placenta	Pooled
19243 134976	Hs.10095	H23354	29.29	2.75	10.65	1.00	2.00	-	-	-

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19246	194811	Hs.20528	R89765	31.04	2.45	12.55	14.00	0.00	1	241.16	Pool	LID not found	Other
19249	770043	Hs.7744	AA427570	07.92	7.16	9.49	1.00	0.00	11	259.91	Thymus	Skin	Pancreas
19250	201517	Hs.9289	N47978	7.57	1.00	0.00	1.00	0.00	4	479.99	Spleen	CNS	Kidney
19253	265619	Hs.181046	N24113	28.25	4.64	5.66	3.00	0.00	17	320.39	-	Forebrain	Prostate
19264	454538	Hs.317004	AA677016	19.45	3.80	5.12	1.00	0.00	11	230.21	-	CNS	-
19266	281605	Hs.100217	Hs.101614	5.91	0.78	0.00	3.00	0.00	17	325.19	Lymph	Forebrain	Whole embryo
19269	267254	Hs.33725	N24580	12.40	0.10	123.97	1.00	0.00	17	53.59	Parathyroid	LID not found	Other
19272	454577	Hs.33758	AA677037	5.94	1.02	5.82	2.00	0.00	3	639.21	Pool	-	-
19277	265849	Hs.184558	N23134	382.16	34.65	10.45	1.00	0.00	12	102.16	Stomach	Testis	CNS
19278	289794	Hs.44787	Hs.92855	39.67	5.41	7.33	4.00	0.00	12	102.16	Stomach	Testis	CNS
19279	434763	Hs.105929	AA701877	5.86	1.00	5.88	0.00	1.00	1	742.06	Brain	LID not found	Other
19280	454668	Hs.181882	AA677183	6.69	1.00	6.69	1.00	0.00	1	152.05	-	Pool	LID not found
19282	281777	Hs.127314	NA6085	6.31	1.00	6.31	1.00	0.00	1	152.05	-	Pool	LID not found
19284	451649	Hs.11673	AA706901	66.36	7.95	8.34	1.00	0.00	1	152.05	-	Pool	LID not found
19287	434763	Hs.116153	AA701890	5.65	0.49	11.62	1.00	0.00	1	152.05	-	Pool	LID not found
19282	451707	Hs.19878	AA707859	29.72	4.27	6.95	0.00	1.00	1	152.05	-	Pool	LID not found
19293	267696	Hs.22891	N23174	16.73	1.71	9.79	1.00	0.00	1	152.05	-	Pool	LID not found
19297	770344	Hs.190107	AA437369	7.22	1.41	5.11	1.00	0.00	1	152.05	-	Pool	LID not found
19299	431673	Hs.116970	AA680369	66.06	7.56	11.35	2.00	0.00	1	152.05	-	Pool	LID not found
19300	451753	Hs.48531	AA706788	17.00	2.28	7.52	3.00	1.00	1	152.05	-	Pool	LID not found
19302	289936	Hs.5682	N59336	21.53	3.61	5.97	1.00	0.00	4	603.86	CNS	Brain	Germ Cell
19303	434894	Hs.218757	AA701258	8.41	0.71	13.30	1.00	0.00	2	742.06	Brain	Pool	LID not found
19304	434592	Hs.100959	AA677043	5.61	1.00	5.61	1.00	0.00	6	152.05	-	Pool	LID not found
19305	770346	Hs.216465	AA437370	28.08	2.74	10.28	2.00	0.00	1	152.05	-	Pool	LID not found
19310	451757	Hs.20107	AA706780	11.78	1.00	11.78	2.00	0.00	3	132.43	Thyroid	CNS	Gall bladder
19312	454632	Hs.168204	AA677167	5.54	1.00	5.54	2.00	0.00	1	681.23	Ear	Spleen	CNS
19313	770839	Hs.11170	AA427767	6.50	1.00	6.50	1.00	0.00	11	253.18	Pooled	Pancreas	Ovary
19325	267536	Hs.219350	N25234	207.82	37.16	5.59	1.00	0.00	1	152.76	-	Eye	Whole embryo
19328	454698	Hs.19545	AA677200	31.35	2.42	6.57	4.00	0.00	6	459.69	Forebrain	Eye	Whole embryo
19338	267161	Hs.47334	N51752	21.43	1.98	10.93	2.00	2.00	1	152.76	-	Adipose	Whole embryo
19341	267113	Hs.220165	N23192	6.30	1.43	5.82	1.00	0.00	1	152.76	-	Skin	Whole embryo
19345	50460	Hs.214643	H16788	11.46	0.10	11.42	9.00	6.00	1	152.76	-	Germ Cell	Whole embryo
19347	683461	Hs.800803	AA215414	5.14	1.02	5.08	1.00	0.00	2	621.3	Synovial mem	Pancreas	Breast
19352	826861	Hs.3582	AA521371	6.74	0.21	32.74	8.00	6.00	10	489.76	Tonsil	Tonsil	LID not found
19353	50578	Hs.8084	H16821	7.39	0.39	19.15	8.00	4.00	9	401.31	Brain	Pooled	Ovary
19354	814815	Hs.7442	AA455261	15.35	1.68	9.14	0.00	2.00	22	134.7	CNS	Brain	Eye
19356	826894	Hs.9469	AA521373	7.43	0.10	74.28	8.00	6.00	19	266.32	Esophagus	Nose	Spleen
19358	814816	Hs.192837	AA455253	82.49	7.28	8.58	2.00	0.00	16	404	Synovial mem	Forebrain	Breast
19359	683794	Hs.104298	AA237005	6.10	0.29	20.04	1.00	0.00	10	549.98	Umbilical cord	LID not found	Other
19361	50743	Hs.42844	H17827	63.72	12.89	6.60	3.00	0.00	10	489.76	Forebrain	Uterus	Tonsil
19368	814830	Hs.87306	AA455650	8.12	0.34	23.70	1.00	0.00	9	309.06	Eye	Prostate	Testis
19369	51214	Hs.39330	H18470	76.17	11.64	6.54	1.00	0.00	9	309.06	Eye	Prostate	Heart
19371	684180	Hs.87400	AA251137	217.40	15.00	14.42	3.00	1.00	9	309.06	Eye	Prostate	Heart
19372	827185	Hs.100285	AA521313	9.40	0.10	94.04	8.00	6.00	9	309.06	Eye	Prostate	Heart
19378	684240	Hs.193657	AA251152	7.39	1.88	7.05	1.00	0.00	9	309.06	Eye	Prostate	Heart
19381	853985	Hs.7473	AA689338	10.70	1.21	6.13	1.00	0.00	1	535.03	Ovary	Whole embryo	Heart
19392	712216	Hs.88748	AA280288	5.24	1.00	5.24	2.00	1.00	1	535.03	Ovary	Whole embryo	Heart
19394	503389	Hs.82041	AA709414	93.71	10.94	9.02	2.00	0.00	9	475.49	-	-	-
19395	207427	Hs.220393	H56911	376.27	33.46	11.24	2.00	0.00	9	475.49	-	-	-
19404	192077	Hs.32185	H26271	26.12	2.75	9.51	5.00	2.00	12	313.98	Breast	Adrenal gland	Tonsil
19407	292938	Hs.48856	N83744	19.60	3.30	8.91	1.00	0.00	17	307.07	Adrenal gland	Stomach	Kidney
19410	745243	Hs.479	AA626178	42.17	4.59	9.19	2.00	0.00	17	307.07	Adrenal gland	Stomach	Kidney
19411	2076719	Hs.207872	H59093	94.14	8.67	10.85	2.00	0.00	17	307.07	Adrenal gland	Stomach	Kidney

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19412 182137	Hs.191280	H25897	28.75	3.98	7.26	2.00	0.00	4	678.46	Aorta	Germ Cell	Breast
19415 283039	Hs.216705	N63781	249.91	27.29	8.16	1.00	0.00	9	257.9	Spleen	Brain	Kidney
19423 283240	Hs.185855	N86878	7.73	1.53	5.04	1.00	0.00	12	188.32			
19427 207803	Hs.213864	H58959	80.24	1.54	52.17	6.00	0.00	2	356.2	Thyroid	Pooled	Tonsil
19430 815784	Hs.31164	AA485214	102.58	13.47	7.69	2.00	0.00	2	62.04	Brain	Aorta	Lymph
19432 178076	Hs.31028	H48985	166.58	5.66	29.43	2.00	0.00	19	244.88	Breast	Pooled	Other
19436 183417	Hs.150485	H42756	8.48	1.00	8.46	2.00	1.00	10	87.85	Pool	LID not found	Tonsil
19439 283634	Hs.206507	N89648	331.02	31.36	10.55	2.00	0.00	6	59.84	Pool	Neural	Gall bladder
19442 757325	Hs.184411	AA437093	9.31	0.51	18.31	5.00	5.00	10	87.85	Pool	LID not found	Other
19443 208851	Hs.37882	H81595	6.85	1.00	6.85	2.00	0.00	6	372.68	CNS	Stomach	Kidney
19448 824025	Hs.214756	AA460645	60.13	5.92	10.16	6.00	0.00	5	-13.12	Aorta	Foreskin	Whole embryo
19447 283798	Hs.206507	N85971	654.00	58.84	11.12	2.00	0.00	18	622.45	Pool	LID not found	Other
19451 203720	Hs.117915	H61007	14.78	1.57	9.39	1.00	0.00	4		Larynx	Adrenal gland	Pooled
19454 824189	Hs.34671	AA486865	42.48	2.86	14.33	10.00	3.00		394.49	Prostate	Pool	LID not found
19458 1049030	Hs.1524	AA778663	16.14	2.01	8.02	2.00	0.00	9	10.31	Aorta	Brain	Pool
19459 208165	Hs.187804	H82529	46.04	6.32	8.66	2.00	0.00	14	417.85	Small intestine	Blood	Foreskin
19463 283818	Hs.214680	N85985	60.51	8.03	7.53	1.00	0.00	5	599.03	Whole embryo	Pool	LID not found
19475 208225	Hs.185645	H63300	387.13	61.50	5.97	2.00	0.00	X	352.03	Cervix	Germ Cell	Adrenal gland
19478 824530	Hs.214791	AA480894	32.27	5.48	5.90	2.00	0.00	11	128.07	Foreskin	Aorta	Germ Cell
19482 1032431	Hs.59348	AA778480	21.28	0.43	49.62	7.00	4.00	6		Foreskin	Eye	Placenta
19483 209377	Hs.114190	H62839	823.42	91.16	9.05	2.00	0.00	17	86.85	Placenta	Blood	Lung
19486 824652	Hs.160388	AA480911	23.70	1.53	15.60	3.00	0.00	9	348.22			
19489 395898	Hs.74711	AA757464	119.32	15.57	7.66	2.00	0.00					
18490 291490	Hs.43561	N72855	15.74	3.13	5.03	1.00	0.00					
18492 435890	Hs.185259	AA701411	70.96	2.96	23.98	8.00	1.00					
18498 291546	Hs.125849	N87797	306.37	36.56	6.38	2.00	0.00					
18503 417706	Hs.20432	N89107	13.09	0.35	37.78	9.00	6.00					
18504 450423	Hs.213909	AA682795	15.12	1.72	8.81	2.00	0.00					
18505 395941	Hs.121231	AA757505	6.89	0.56	12.30	1.00	0.00					
18509 725489	Hs.11125	AA388521	117.65	18.18	6.47	1.00	0.00					
18523 324451	Hs.172466	V52104	57.71	9.68	5.84	1.00	0.00					
18527 417905	Hs.108768	N80543	45.29	7.75	5.85	2.00	0.00					
18531 324573	Hs.210035	N61909	103.09	0.63	162.42	23.00	6.00					
18532 435957	Hs.10188	AA701878	28.16	3.63	8.04	4.00	0.00					
18533 725548	Hs.44281	AA283448	10.47	0.48	21.71	7.00	6.00					
18535 417957	Hs.131711	N90575	23.81	1.16	20.45	2.00	0.00					
18537 396057	Hs.68791	AA757903	5.59	1.00	5.59	1.00	0.00					
18539 294551	Hs.122842	N85148	6.84	1.00	6.84	2.00	0.00					
18539 324543	Hs.116513	N52061	13.98	1.00	13.98	2.00	0.00					
18540 435992	Hs.21126	AA703219	13.80	1.00	13.80	2.00	0.00					
18542 278855	Hs.33286	N48962	16.38	1.00	16.38	2.00	2.00					
18543 417983	Hs.125073	N90681	13.16	1.81	7.28	2.00	0.00					
18545 396148	Hs.95351	AA757909	182.78	6.14	29.78	4.00	1.00					
18546 296144	Hs.218974	N93863	13.51	1.30	7.05	1.00	0.00					
18553 396180	Hs.121251	AA757808	14.45	0.91	17.74	2.00	0.00					
18555 324674	Hs.28444	W47106	75.18	6.75	11.13	13.00	4.00					
18556 435997	Hs.113140	AA703233	5.44	1.00	5.44	2.00	0.00					
18558 279443	Hs.44436	N48788	5.15	1.00	5.15	1.00	0.00					
18560 490598	Hs.118930	AA704587	12.76	1.27	10.07	1.00	0.00					
18568 396085	Hs.185940	AA757711	30.51	5.39	5.68	2.00	0.00					
18570 257312	Hs.44004	N29824	12.70	1.89	6.74	1.00	0.00					
18571 326088	Hs.216557	W48985	44.19	4.81	9.19	1.00	2.00					
18573 725629	Hs.125134	AA203728	8.02	0.43	18.64	1.00	0.00					
18579 325111	Hs.55950	W47000	15.79	1.84	8.16	1.00	0.00					
18582 279482	Hs.218510	N48804	82.15	5.10	16.12	0.00	1.00					
18585 823502	Hs.24075	AA304457	335.74	40.19	8.35	2.00	0.00					
18586 703684	Hs.88528	AA279015	8.36	1.39	6.04	1.00	0.00					

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Table 3A

19597	825384	Hs 8084	AA504250	31.48	1.00	31.48	0.00	6.00	1	85.35 Neural	Thymus	Bone
19598	745117	Hs 25015	AA526379	11.83	1.00	11.83	4.00	1.00	22	85.07 Ovary	Uterus	Bone
19600	814501	Hs 89749	AA483358	58.45	2.13	28.53	3.00	1.00		Tonsil	UD not found	Other
19603	745131	Hs 165469	AA526705	7.74	1.00	7.74	1.00	0.00	19	23.4 Adipose	Gall bladder	Nose
19605	825481	Hs 110571	AA504354	43.30	5.67	7.84	0.00	1.00	5	-8.56 Fore skin	Uterus	Thyroid
19616	814584	Hs 220168	AA480694	20.83	2.54	6.19	4.00	0.00		Tonsil	UD not found	Other
19618	704023	Hs 96581	AA279158	6.74	1.00	6.74	1.00	0.00	2	226.15 Kidney	Totilis	Muscle
19619	745314	Hs 17388	AA825581	27.87	1.19	23.37	8.00	5.00	3	52.48 Lung	Blood	Pool
19621	825847	Hs 58986	AA504654	12.16	1.00	12.16	1.00	1.00	3	141.89 Tonsil	Pool	UD not found
19628	704046	Hs 147739	AA279168	18.30	3.34	5.47	3.00	1.00	14	94.69 Smooth musc	Skin	Gall bladder
19637	745397	Hs 218113	AA523763	7.09	0.62	11.47	5.00	5.00	7	516.76 Germ Cell	Tonsil	UD not found
19639	704076	Hs 200451	AA279172	62.72	5.80	17.37	6.00	0.00	5	652.21	Pool	Bone
19634	293824	Hs 187124	N63940	10.10	0.68	67.61	9.00	5.00		Synovial mem Testis		
19650	811770	Hs 214430	AA463446	37.18	0.55	17.37	9.00	0.00		Brain	UD not found	Other
19651	135352	Hs 24572	R32858	10.83	1.76	6.16	1.00	0.00		Lymph	Whole embryo/Prostate	
19655	150128	Hs 217126	H01915	21.53	1.65	13.04	7.00	0.00	1	190.47 Eye	UD not found	Other
19656	382345	Hs 68803	AA065349	16.20	1.68	10.27	1.00	0.00	14	143.59 Placenta	Brain	UD not found
19658	1046495	Hs 168554	AA621138	59.41	2.85	20.87	14.00	1.00	2	435.25 Eye	UD not found	Other
19660	362497	Hs 1688	AA018278	6.55	0.65	10.09	7.00	5.00	12	124.87 Kidney	UD not found	Other
19664	383501	Hs 117149	AA876971	6.77	1.29	5.25	1.00	0.00	8	371.88 Eye	Adipose	Gall bladder
19672	383521	Hs 117151	AA876980	13.69	1.63	8.37	2.00	0.00	7	202.38 Cervix	Tonsil	Blood
19674	647866	Hs 124179	AA205403	13.33	0.27	49.89	7.00	1.00	8	Bone marrow	Ear	Bone
19676	365344	Hs 110287	AA018408	14.56	1.03	14.15	1.00	0.00	2	438.82 Thymus	Aorta	Tonsil
19682	598181	Hs 112471	AA598548	6.45	1.00	6.45	0.00	3.00	5	646.62 Placenta	Fore skin	UD not found
19683	135627	Hs 163285	R31567	14.11	1.47	9.59	1.00	0.00	17	404.72 Adrenal gland	Ovary	Muscle
19689	898190	Hs 112473	AA598559	24.40	2.43	10.03	2.00	0.00	11	322.37 Peripheral ner	Head and nec	Esophagus
19692	362748	Hs 118554	AA018252	26.15	4.48	5.84	1.00	0.00	1	772.23		
19695	149934	Hs 9075	H01164	58.89	11.04	5.31	2.00	0.00		Fore skin	UD not found	Other
19698	382648	Hs 30432	AA068519	98.58	8.46	11.42	3.00	1.00	3	346.72 Bone	CNS	Aorta
19703	150003	Hs 112482	AA598844	8.75	1.00	7.56	1.00	0.00	7	510.36 Cervix	Spleen	Colon
19704	150041	Hs 29724	H01187	15.16	2.73	5.56	1.00	0.00	2	714.07 CNS	Fore skin	Adrenal gland
19723	135900	Hs 87747	R33609	63.81	9.35	6.80	1.00	0.00	7	29.04 Fore skin	Pool	UD not found
19729	811062	Hs 181316	AA485441	63.83	8.12	7.86	1.00	0.00	3	157.14 Thyroid	Parathyroid	Bone
19733	268240	Hs 214243	N27437	392.18	68.66	6.92	1.00	0.00	4	440.83 CNS	Uterus	Pool
19736	510800	Hs 220376	AA468887	6.97	0.16	39.49	8.00	6.00	17	380.79		
19740	451768	Hs 107254	AA708804	11.82	0.10	118.17	9.00	6.00				
19741	267736	Hs 184341	N23282	53.52	3.88	13.44	2.00	0.00				
19757	267778	Hs 187908	N23598	486.90	31.98	15.22	2.00	0.00				
19760	811079	Hs 213179	AA489458	66.75	2.71	25.37	4.00	1.00				
19767	434602	Hs 182854	AA701280	28.28	4.24	6.67	1.00	0.00				
19770	281908	Hs 41211	N51859	86.00	1.00	98.00	16.00	4.00				
19772	451804	Hs 118878	AA708818	9.83	1.00	9.83	1.00	0.00				
19774	280111	Hs 68635	N82185	87.05	17.68	5.49	2.00	0.00				
19781	265148	Hs 101882	N27415	31.92	5.32	6.00	2.00	0.00				
19784	686100	Hs 219825	AA262727	31.76	3.99	7.97	3.00	0.00				
19789	268837	Hs 218628	N28008	14.44	1.00	14.44	5.00	4.00				
19790	280158	Hs 48485	N62208	397.34	27.14	14.64	2.00	0.00				
19797	268877	Hs 43725	N28031	5.20	1.00	5.20	1.00	0.00				
19800	701281	Hs 69485	AA286819	18.44	1.00	18.44	1.00	0.00				
19808	701384	Hs 55336	AA258030	50.54	7.93	8.38	3.00	0.00				
19811	431886	Hs 201972	AA878381	16.12	2.13	7.56	1.00	0.00				
19816	282069	Hs 45070	N48239	7.99	1.00	7.99	1.00	0.00				
19820	461918	Hs 191840	AA708984	64.55	10.48	6.16	2.00	0.00				
19822	280235	Hs 111085	N84391	15.48	1.52	10.15	2.00	0.00				

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19824 703020	HS.35445	AA276326	5.80	0.91	7.46	3.00	0.00	15	138.72	Tonsil	Epistymia	Ovary	Uterus
19823 854078	HS.57209	AA630084	4.18	3.27	15.04	0.00	3.00					Neural	Parathyroid
19820 815046	HS.204254	AA65158	48.17	5.87	1.00	0.00	0.00					LID not found	Other
19823 712292	HS.144319	AA280278	21.73	2.48	8.78	0.00	3.00	1	252.77	Tonsil		LID not found	Other
19833 854087	HS.28264	AA630373	28.19	4.87	6.00	2.00	0.00	10	381.31	Neural	CNS	Uterus	
19837 855143	HS.23047	AA630221	65.29	8.71	7.50	5.00	0.00					Thyroid	
19839 884564	HS.87656	AA251359	8.60	0.75	8.82	1.00	0.00					LID not found	Other
19844 712398	HS.86945	AA281718	15.36	2.63	5.85	1.00	1.00	2	714.07	Tonsil	Pleocenta	LID not found	
19853 855338	HS.8121	AA630376	121.33	23.52	5.16	1.00	0.00	1	411.98	Nose	Ear	Forebrain	
19850 712151	HS.60608	AA276396	5.28	1.04	1.00	1.00	0.00	10	373.9	Tonsil	Pool	LID not found	
19859 684738	HS.22787	AA491297	32.01	0.39	82.32	9.00	6.00				Heart	Pancreas	
19861 855422	HS.87787	AA251418	5.87	1.00	5.87	2.00	1.00	9	64.24	Tonsil	LID not found	Other	
19863 684796	HS.8175	AA684020	88.75	2.17	40.88	20.00	2.00	8	45.68	Nose	Ear	Thyroid	
19869 855610	HS.87686	AA251548	88.40	3.02	22.83	3.00	0.00				LID not found	Other	
19872 824510	HS.3307	AA694237	83.17	3.95	21.06	5.00	1.00	5	580.59	Aorta	Germ Cell	Ovary	
19874 1292432	HS.9825	AA490522	40.11	0.74	54.42	9.00	5.00				Spleen	Kidney	
19875 294088	HS.188132	AA718910	10.86	1.16	9.40	4.00	1.00	18	359.93	Pool	LID not found	Other	
19880 180717	HS.207207	N68504	24.18	2.41	10.04	1.00	0.00	4	848.88	Eye	LID not found	Other	
19882 733222	HS.32838	H33864	5.17	0.99	5.24	4.00	2.00	4	583.17	Whole embryo	Heart		
19887 294092	HS.187278	AA425419	46.42	3.93	11.81	5.00	0.00	3	416.74	Cervix	Eye	Brain	
19889 878176	HS.216172	N68510	12.82	0.33	38.44	9.00	6.00	9					
19890 186523	HS.107680	H37808	33.13	0.74	44.80	3.00	0.00	7	253.84	Pooled	Kidney	LID not found	
19891 878182	HS.74361	AA775447	80.55	8.53	7.10	0.00	4.00	7	20.09	Eye	LID not found	Other	
19891 825418	HS.2189540	AA504266	3.88	1.00	5.86	2.00	3.00				Skin	Tonsil	
19892 778564	HS.118851	AA775872	27.39	2.88	9.49	4.00	1.00	11	410.24	Ear			
19893 209393	HS.180414	H64147	452.84	70.60	8.41	2.00	0.00	10	436.35	Head and nec	Cervix	Lymph	
19896 825606	HS.8878	AA504626	28.10	1.13	23.15	4.00	0.00	9	393.81	Pool	LID not found	Other	
19893 878578	HS.183760	AA775241	800.48	149.41	5.36	2.00	0.00	19	277.82	Eye	Tonsil	Forebrain	
19893 209594	HS.117819	H61695	13.17	2.28	5.77	1.00	0.00				Blood	Lung	
19894 165628	HS.40282	H61605	7.44	0.10	74.36	8.00	6.00						
19894 825740	HS.216329	AA504844	98.79	12.32	7.85	2.00	0.00	16	482	Nose	Thyroid	Pancreas	
19895 294592	HS.124194	N71051	7.35	1.00	7.35	1.00	0.00	15	140.33	Lymph node	LID not found	Other	
19895 826009	HS.75415	AA670408	1775.15	202.64	8.76	4.00	2.00	5	511.76	Nose	Esophagus	Adipose	
19895 294503	HS.153	N69528	61.11	3.18	13.22	2.00	0.00				Testis	Thyroid	LID not found
19896 826256	HS.17109	AA775257	64.57	3.25	19.80	18.00	6.00	1	742.02	Cell bladder	Adrenal gland	Tonsil	
19896 398111	HS.15791	AA520879	30.72	5.52	6.57	0.00	1.00	3	516.76	Whole embryo	Heart	Breast	
19897 324684	HS.190408	AA757732	7.57	1.00	7.57	1.00	0.00				CNS		
19897 428163	HS.194051	W47327	84.18	12.41	7.59	2.00	0.00	3	516.76	Whole embryo	Heart	Breast	
19897 258975	HS.30022	AA001874	6.91	0.65	10.70	7.00	5.00				Nose	Gall bladder	Whole embryo
19897 324717	HS.52881	N90222	300.42	57.58	5.22	1.00	0.00				Orientation	Muscle	
19897 826256	HS.171518	W47364	63.64	7.78	8.20	12.00	0.00	3	52.48	Nose	CNS	Breast	
19898 450642	HS.30029	AA001769	32.92	3.92	8.39	0.00	1.00	X	245.06	Pool	Synovial mem	Thyroid	Stomach
19898 826256	HS.207315	AA682479	80.60	2.28	35.30	2.00	0.00				LID not found	Other	
19898 428215	HS.220280	AA757916	220.45	37.00	5.96	2.00	0.00						
19899 398147	HS.220031	AA757827	24.49	3.88	6.32	4.00	0.00	12	479.72	Whole embryo	Parathyroid	Forebrain	
19899 428215	HS.78532	N90225	25.95	0.53	47.21	7.00	6.00				Adipose	Lymph	Thyroid
20001 398297	HS.100180	AA001745	178.39	29.33	6.12	2.00	0.00				CNS	LID not found	Other
20006 279673	HS.163136	AA758451	13.94	1.00	13.94	4.00	0.00						
	HS.163777	N48986	20.37	2.17	9.38	1.00	0.00						

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20202 876545	Hs.75458	AA775674	1215.07	11.34	105.23	9.00	6.00	7	36.65	Eye	LID not found
20203 136502	Hs.167431	R04343	7.58	1.00	7.56	1.00	0.00	12	325.59	Whole embryo	Germ Cell
20204 363081	Hs.116456	AA010335	44.80	2.50	17.92	2.00	0.00	6	602.7	Forebrain	
20209 249070	Hs.218748	H00063	18.18	0.72	22.60	1.00	3.00				
20212 451638	Hs.120802	AA070655	5.13	0.43	11.90	4.00	0.00				
20215 436060	Hs.114063	AA701457	16.73	2.80	6.42	1.00	0.00				
20220 451902	Hs.192016	AA706957	8.20	0.82	10.05	3.00	0.00				
20225 249517	Hs.213638	H04915	5.60	0.84	10.14	8.00	0.00	11	236.35	Forebrain	Lung
20228 451905	Hs.8118	AA706967	11.30	0.00	1129933.55	14.00	0.00	1	241.16	Whole embryo-	
20229 269300	Hs.75866	N24042	60.37	11.12	5.43	0.00	1.00				
20232 704519	Hs.88635	AA279533	60.74	6.03	10.06	6.00	0.00				
20234 282535	Hs.3994	N45128	25.41	4.34	5.86	1.00	0.00				
20236 431005	Hs.118423	AA678147	26.70	1.23	20.83	2.00	0.00	11	277.15	Ovary	Whole embryo
20240 712230	Hs.216191	AA3203381	8.35	1.55	5.39	2.00	0.00	2	37.92	Small intestine	Forebrain
20253 4560231	Hs.52438	N24722	71.97	5.20	13.85	0.00	1.00				
20255 435055	Hs.49326	AA701434	233.15	15.75	14.80	2.00	0.00				
20261 269269	Hs.12927	N26658	75.02	3.34	22.48	7.00	6.00	1	263.57	Ear	Kidney
20269 269418	Hs.217469	N24070	12.40	0.85	16.99	3.00	3.00				
20271 435075	Hs.218261	AA701465	8.86	1.00	8.86	2.00	2.00				
20274 263131	Hs.123159	H97846	77.18	12.80	6.12	2.00	0.00	X	274.36	CNS	Forebrain
20287 435126	Hs.182145	AA701328	63.20	4.88	12.95	2.00	0.00				
20290 283191	Hs.70337	N51392	11.74	1.00	11.74	2.00	5.00	11	373.32	Neural	Aorta
20293 289425	Hs.114362	N26171	221.91	2.87	77.31	22.00	4.00	2	495.9	Forebrain	LID not found
20294 296045	Hs.18705	N70193	6.11	0.34	17.72	3.00	0.00	15	287.5	Aorta	Kidney
20295 435145	Hs.119513	AA706684	20.19	0.88	20.63	9.00	1.00				
20297 250788	Hs.48323	H97245	9.49	0.51	18.66	8.00	4.00	6	848.35	CNS	Lung
20298 283196	Hs.201391	N43282	20.22	2.23	9.09	2.00	0.00				
20301 269563	Hs.125830	N24155	75.87	11.42	6.54	1.00	0.00	12	279.82	Forebrain	Colon
20305 655707	Hs.204154	AA633941	52.21	4.83	10.81	6.00	0.00	12	412.54	Aorta	Bone
20308 824523	Hs.58643	AA480950	10.50	1.00	10.50	0.00	1.00				
20310 824784	Hs.66450	AA480950	5.83	1.00	6.83	3.00	1.00				
20312 824857	Hs.183121	AA480924	5.87	0.36	16.11	8.00	6.00	22	175.16	Ignore	Stomach
20319 695081	Hs.96499	AA252537	6.66	0.91	7.33	2.00	0.00	12	92.88	Bone	Kidney
20324 824723	Hs.5036	AA480986	58.63	11.22	5.31	1.00	0.00	17	369.95	Lymph node	Parathyroid
20326 824666	Hs.32425	AA480986	10.09	1.00	10.06	1.00	2.00	5	591.65	Gall bladder	Bone
20330 824889	Hs.187693	AA480988	76.17	0.55	137.91	3.00	1.00	19	208.56	Tonsil	LID not found
20333 868472	Hs.26035	AA634261	200.12	1.00	200.12	8.00	2.00	1	83.84	Aorta	Bone
20335 685361	Hs.219232	AA243581	10.28	0.82	12.59	3.00	2.00				
20338 824911	Hs.5080	AA480922	38.77	0.10	387.75	9.00	6.00	11	220.06	Smooth muscle	Parathyroid
20340 645079	Hs.88112	AA197334	189.84	5.10	37.20	6.00	6.00				
20341 866548	Hs.214468	AA775047	116.23	21.58	5.39	1.00	0.00	2	411.63	Spleen	Colon
20342 824913	Hs.69907	AA480923	16.83	1.00	16.83	8.00	0.00	3	671.6	Eye	Colon
20343 656609	Hs.60319	AA255878	32.02	6.14	5.22	1.00	0.00				
20354 876878	Hs.84981	AA775355	227.10	37.01	6.14	1.00	0.00	10	471.64	Pool	LID not found
20355 209082	Hs.205577	H60739	760.95	25.58	29.75	3.00	0.00				
20356 826301	Hs.169637	AA521015	18.71	1.00	19.71	6.00	5.00				
20362 876669	Hs.151513	AA775378	14.85	1.94	7.65	1.00	1.00	22	37.19	Prostate	Eye
20363 209116	Hs.19977	H63518	210.27	32.84	6.40	2.00	0.00				
20367 294928	Hs.215123	N71461	38.24	0.71	51.16	8.00	6.00				
20368 219709	Hs.181674	H84244	82.16	14.55	5.85	2.00	0.00	3	730.99	Tonsil	Blood
20370 23955	Hs.4276	R38391	100.08	18.95	5.28	1.00	0.00				
20378 896921	Hs.2893	AA779401	20.78	3.14	6.61	0.00	2.00				
20379 210921	Hs.17348	H69786	124.39	18.77	6.63	1.00	0.00	3	354.17	Esophagus	Lung
20382 913481	Hs.06731	AA456069	5.28	0.57	9.22	1.00	0.00	17	336.92	Prostate	Colon
20390 786690	Hs.150555	AA451900	6.34	0.10	63.44	8.00	8.00	12	426.46	Adrenal gland	Whole embryo
20392 219663	Hs.125255	H85201	70.01	1.94	36.11	3.00	0.00				

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20399	225022	Hs.205555	N72500	258.38	13.57	18.90	2.00	0.00	15	135.22	Blood	Muscle	Eye
20400	225022	Hs.194485	H85415	91.57	7.48	12.24	2.00	0.00	17	60.19	Germ Cell	Tonsil	Blood
20402	39916	Hs.91157	R54060	17.39	1.18	14.74	3.00	4.00	7	511.16	Nose	Adipose	Synovial membrane
20403	211234	Hs.216083	H87878	234.85	15.95	14.71	2.00	0.00					
20408	220089	Hs.30029	H85437	48.17	5.78	8.50	1.00	1.00					
20411	211301	Hs.163534	H89022	75.65	13.74	5.52	1.00	0.00					
20412	163268	Hs.103521	R85506	10.49	0.09	110.61	6.00	6.00	16	464.35	Prostate	Lung	Pool
20415	285443	Hs.30250	N76034	13.33	1.79	7.47	1.00	0.00					
20418	218881	Hs.114261	H81716	533.26	33.08	18.13	2.00	0.00					
20419	211376	Hs.38784	H86980	24.48	2.89	9.09	2.00	0.00	18	408.97	Pool	LID not found	Other
20422	897720	Hs.76313	AA58982	21.47	2.02	10.84	4.00	4.00	X	178.68	Synovial mem	Forebrain	
20423	285454	Hs.118207	N76088	93.00	2.11	44.00	2.00	0.00	1	102.42	Pool	LID not found	Other
20424	218888	Hs.219243	H84657	212.84	14.02	15.19	2.00	0.00	19	266.35	Eye	Breast	
20426	32686	Hs.6077	R43604	13.27	1.73	7.87	5.00	0.00					
20427	211387	Hs.174006	H86675	230.44	18.19	14.24	2.00	0.00	18	404.78	Pool	Adrenal gland	CNS
20431	285465	Hs.114604	N74807	5.27	1.00	5.27	2.00	0.00					
20435	212473	Hs.1241473	H86553	133.28	10.11	13.19	2.00	0.00	1	575.41	Pool	LID not found	Other
20440	219337	Hs.114261	H84759	136.57	22.60	6.04	1.00	0.00	11	254.48	Pool	Brain	LID not found
20444	167041	Hs.116034	R89046	6.31	0.07	83.46	6.00	6.00	6	484.88	Eye	LID not found	Other
20450	448044	Hs.22826	AA777400	28.72	0.00	2872034.71	14.00	0.00					
20455	368880	Hs.121308	AA758268	6.32	0.63	9.97	1.00	0.00	12	341.58	CNS	LID not found	Other
20470	278826	Hs.114394	N40959	6.70	1.00	6.70	1.00	0.00					
20475	343932	Hs.217672	V89775	37.65	7.11	5.30	1.00	0.00	3	97.29	Liver	Ovary	Heart
20477	739578	Hs.11950	AA479809	8.02	0.82	9.84	1.00	0.00	19	245.16	Pool	LID not found	Other
20480	450602	Hs.183982	AA582573	5.56	0.59	9.35	3.00	0.00					
20482	258404	Hs.42373	N25883	8.59	1.00	8.59	3.00	0.00	12	347.78	Forebrain	Placenta	Tonsil
20486	276837	Hs.23439	N38839	9.10	1.00	9.10	1.00	0.00					
20488	450877	Hs.118422	AA582671	7.02	0.10	70.19	2.00	0.00					
20493	343974	Hs.44877	N38836	6.72	1.00	6.72	2.00	0.00	3	191.7	Bone	Tonsil	LID not found
20500	448112	Hs.204802	AA777488	1728.05	237.48	7.28	3.00	0.00					
20501	740780	Hs.57771	AA477283	21.46	3.13	6.88	1.00	0.00	13	135.23	Head and nec	Testis	Heart
20502	279873	Hs.45105	N40957	18.43	1.00	16.43	2.00	0.00	17	307.17	Pancreas	Eye	Parathyroid
20503	430710	Hs.13429	AA578084	22.83	1.09	20.85	2.00	0.00					
20504	450859	Hs.191901	AA704688	13.62	1.76	7.64	5.00	0.00					
20512	450819	Hs.117272	AA582559	62.82	3.17	19.83	2.00	0.00					
20514	258593	Hs.44146	N30080	5.44	0.46	11.88	3.00	0.00					
20515	344764	Hs.109057	V74701	18.44	0.99	18.81	3.00	1.00					
20516	449144	Hs.190348	AA777510	5.06	1.00	5.06	2.00	0.00	19	34.81	Spleen	Blood	Adrenal gland
20517	741842	Hs.70830	AA402875	26.57	0.26	102.57	8.00	6.00					
20518	278983	Hs.48028	N57557	22.21	1.00	22.21	4.00	0.00					
20520	450836	Hs.207777	AA682597	91.04	5.16	17.63	2.00	0.00					
20521	396885	Hs.174757	AA758271	5.50	0.10	55.00	2.00	0.00	6	568.13	Stomach	Placenta	Whole embryo
20532	449166	Hs.121952	AA777604	11.28	1.97	5.72	2.00	0.00					
20536	258984	Hs.26518	N32804	16.79	1.00	16.79	2.00	0.00					
20539	386138	Hs.121682	AA774608	5.21	1.00	5.21	1.00	0.00					
20544	450912	Hs.112306	AA704683	26.55	4.23	6.28	1.00	0.00					
20547	1292058	Hs.14805	AA707527	28.48	2.45	11.63	0.00	3.00	13	147.93	Eye	Ear	Stomach
20556	815230	Hs.88201	AA481256	27.43	4.60	8.54	3.00	0.00					
20557	826985	Hs.16728	AA521384	54.57	6.59	8.29	4.00	0.00	11	57.07	CNS	Pituitary	Spleen
20559	773495	Hs.5378	AA427624	26.57	2.05	14.41	0.00	4.00	16	483.35	Tonsil	Breast	Adrenal gland
20560	815231	Hs.314443	AA481268	6.67	0.61	10.91	1.00	1.00					
20563	1032831	Hs.59603	AA623462	25.51	3.65	6.99	2.00	1.00					
20564	815242	Hs.178381	AA481269	34.18	6.16	6.55	1.00	0.00					
20565	827168	Hs.183722	AA521292	51.93	9.66	5.38	1.00	1.00					
20568	712857	Hs.89014	AA262485	5.38	1.00	5.38	1.00	0.00					



Table 3A

2	566	Smooth muscle	Ear	Adipose
	Tonsil	Germ Cell	Parathyroid	
	Tonsil	LID not found	Other	
	Blood	Muscle	Testis	
	Tonsil	Pool	LID not found	
	Germ Cell	Testis	LID not found	
	Eye	Small intestine	Smooth muscle	
	705.72	Aorta	LID not found	
	151.5	Muscle	Umbilical cord	
	475.18	Muscle	Prostate	
	428.16	Ovary	Germ Cell	
		Bone	Heart	
	77.21	Pool	LID not found	
	473.57	Synovial mem	Umbilical cord	
	245.32	Tonsil	LID not found	
	115.03	Brain	LID not found	
		Omentum	Lung	
	250.6	Pool	LID not found	
		Adipose	Pancreas	
	219.18	Liver	Parathyroid	
	151.5	Smooth muscle	Esophagus	
	60.86	Smooth muscle	Colon	
	242.21	Ignore	Brain	
	109.76	Stomach	Pituitary	
	352.44	Pool	Uterus	
		Testis	LID not found	
	83.62	Brain	Pool	
	103.95	Eye	Tonsil	
		Pooled	Colon	
	Esophagus	Ovary	Colon	
	374	Small intestine	Synovial mem	
	158.18	Pool	LID not found	
	53.79	Pool	LID not found	
	250.6	Pool	Other	
	631.68	Pooled	Tonsil	
	367.79	Eye	Colon	
	89.58	Smooth muscle	CNS	
		Neural	Nose	
		Cervix	Parathyroid	
		CNS	LID not found	
		Lung	Pool	
		CNS	LID not found	
		Ovary	Prostate	
		Whole embryo	Lung	
		Brain	Bone	
		Tonsil	Lymph	
		Whole embryo	Whole embryo	

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21226 284401	Hs.215643	N52102	10.60	0.70	13.65	2.00	0.00	8	398.76	CNS	Muscle	Parathyroid
21234 287558	Hs.25413	N82110	14.98	1.00	14.98	2.00	0.00	11	22.83	Forebrain	Colon	Breast
21242 287559	Hs.47008	N82122	19.94	1.00	19.94	2.00	0.00	11	259.71	Pooled	Pooled	Liver
21246 308446	Hs.42663	N92172	33.67	5.08	6.63	1.00	0.00	11	319.85	Bone	Kidney	Forebrain
21249 262268	Hs.30135	N92130	38.41	45.22	8.48	2.00	0.00	12	209.63	Germ Cell	LID not found	Other
21250 284175	Hs.125258	N92124	7.95	1.37	5.81	1.00	0.00	15	395.82	CNS	Lymph	Germ Cell
21254 306466	Hs.108887	N34468	8.93	0.10	89.31	2.00	0.00	9	288.54	Liver	Head and nec	Cervix
21261 271118	Hs.210798	N91811	15.23	1.00	15.23	5.00	2.00	12		Head and nec	Colon	
21262 306513	Hs.3542	AA504164	45.09	1.75	25.77	4.00	1.00			Tonsil	Pooled	
21266 825178	Hs.89303	AA284031	29.95	5.77	5.19	1.00	0.00			LID not found	Other	
21267 700846	Hs.12002	AA205667	64.38	8.17	7.80	2.00	0.00			Tonsil	Muscle	
21276 646607	Hs.13775	AA504137	12.01	0.89	13.52	8.00	6.00	4	334.42	Adipose	Marrow	CNS
21282 825223	Hs.24641	AA504130	16.66	2.68	6.26	0.00	2.00			Head and nec	Tonsil	Cervix
21286 825228	Hs.13381	AA283874	31.40	5.62	5.69	3.00	0.00	8	413.47	Adipose	Forebrain	Thyroid
21287 700888	Hs.103282	AA599635	28.97	2.10	13.79	2.00	0.00			Pooled	LID not found	Other
21288 697874	Hs.87928	AA285128	8.85	1.00	8.05	4.00	1.00	20	335.53	Tonsil	Prostate	
21291 700724	Hs.28285	AA773068	41.20	2.17	18.95	8.00	1.00			Blood	Tonsil	LID not found
21294 825263	Hs.59574	AA504156	6.50	4.71	7.58	0.00	1.00			Tonsil	LID not found	Other
21295 700778	Hs.89267	AA284067	10.12	1.67	8.07	1.00	0.00			Tonsil	LID not found	Other
21299 700787	Hs.89271	AA284079	45.32	5.07	8.93	2.00	0.00			Synovial mem	Thymus	Cervix
21301 884513	Hs.6141	AA630000	11.71	0.10	117.09	8.00	6.00	11	272.02	Tonsil	Colon	LID not found
21303 700790	Hs.160680	AA284071	464.10	19.14	24.24	3.00	0.00			Thymus	Liver	Thyroid
21305 884531	Hs.217513	AA628601	70.45	10.57	7.24	2.00	0.00	5	283.78	Lung	Brain	LID not found
21306 825556	Hs.214064	AA504482	43.14	5.13	8.41	4.00	0.00	16	488.61	Germ Cell	Brain	Breast
21318 280934	Hs.3628	N50834	6.42	0.14	44.77	7.00	4.00			Heart	Brain	Pool
21320 221341	Hs.118694	H99955	31.44	0.10	314.39	8.00	6.00	X	293.18	CNS	Uterus	Lung
21334 470001	Hs.169925	AA029997	31.44	3.45	9.13	3.00	1.00			Lung	Pool	LID not found
21335 296606	Hs.131386	N72863	12.41	1.96	6.35	1.00	0.00			Eye	Brain	Testis
21336 221584	Hs.31746	H92533	5.31	1.00	5.31	1.00	2.00	16	391.14	Synovial mem	Adipose	Breast
21338 1474174	Hs.111301	AA936788	175.37	1.74	100.72	10.00	4.00			Whole embryo	Pool	LID not found
21339 243244	Hs.145008	H93038	7.73	0.55	14.05	7.00	6.00			Small intestine	Synovial mem	Prostate
21342 502518	Hs.90291	AA196802	184.87	25.50	6.07	1.00	1.00	19	71.09	Pool	LID not found	Other
21343 296659	Hs.209839	N74014	78.80	5.86	13.61	2.00	0.00	11	339.33	Placenta	Parathyroid	Forebrain
21351 130103	Hs.23183	R21423	13.40	1.00	13.40	1.00	0.00			CNS	Kidney	Parathyroid
21355 242007	Hs.191334	H92877	6.10	1.00	6.10	1.00	0.00	3	143.85	Breast	Liver	Placenta
21356 172617	Hs.174310	H19804	14.52	1.84	7.88	0.00	1.00			Pool	Germ Cell	Eye
21359 130104	Hs.129864	R20798	517.24	56.30	9.19	2.00	0.00	20	38.8	Brain	LID not found	Other
21360 275226	Hs.90462	R85503	11.60	1.00	11.60	6.00	3.00	9	394.49	Eye	LID not found	Other
21378 221776	Hs.25373	H92215	154.06	9.77	15.78	2.00	0.00	10	554	Breast	Kidney	Tonsil
21380 172403	Hs.171585	H20128	5.14	0.78	6.56	1.00	0.00			Pool	LID not found	Other
21384 221778	Hs.114250	H92218	533.87	41.89	13.28	2.00	0.00	4	457.27	Eye	Synovial mem	Heart
21390 745542	Hs.76394	AA626255	63.80	3.06	20.86	8.00	4.00	9	417.73	Synovial mem	Esophagus	Blood
21395 243036	Hs.114314	H95673	48.02	4.42	10.62	2.00	0.00	22	91.18	Eye	LID not found	Other
21398 878852	Hs.91296	AA670200	52.62	5.43	9.70	2.00	4.00			CNS	Adrenal gland	CNS
21400 275335	Hs.60514	R85643	18.39	2.83	5.80	2.00	0.00			CNS	Tonsil	Pool
21404 173081	Hs.220154	H20570	292.78	25.36	11.54	2.00	0.00	14	123.72	Prostate	Tonsil	
21414 280478	Hs.35536	R85608	5.89	1.00	5.89	1.00	0.00	19	295.13	CNS	Pool	LID not found
21418 277135	Hs.84012	N51589	18.42	2.59	6.34	1.00	0.00			CNS	Prostate	Tonsil
21422 280480	Hs.102864	N51629	10.29	1.70	8.06	1.00	0.00			CNS	LID not found	Other
21428 449470	Hs.121972	AA777723	7.97	1.00	7.97	4.00	0.00			CNS	Prostate	Tonsil
21432 451077	Hs.120853	AA704443	8.61	1.00	6.81	3.00	0.00			CNS	LID not found	Other
21436 449504	Hs.121983	AA777828	6.32	0.55	11.50	6.00	6.00			CNS	Prostate	Tonsil
21437 755444	Hs.75968	AA423800	31.26	40.15	7.02	1.00	0.00			CNS	LID not found	Other
21438 280528	Hs.53998	N47316	40.45	5.77	7.02	1.00	0.00			CNS	Prostate	Tonsil
21439 431215	Hs.117281	AA682521	6.40	0.54	11.95	7.00	2.00			CNS	LID not found	Other

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21827 36823	Hs.32634	AA015813	5.10	1.00	5.10	0.00	1.00	1	58.9 Eye	LID not found Other
21834 826142	Hs.176502	AA521339	11.13	1.91	5.84	0.00	1.00	2	709.43 Eye	LID not found Other
21840 380751	Hs.60842	AA017104	28.95	2.24	12.04	2.00	0.00	11	263.08 Adrenal gland	Cervix
21850 502141	Hs.90443	AA127014	72.79	9.58	7.60	1.00	0.00	1	763.49 Ear	Germ Cell
21851 245358	Hs.112998	NS3480	166.73	0.06	2485.45	9.00	6.00	1	Pooled	Germ Cell
21854 741860	Hs.155691	AA030331	12.77	1.50	8.51	0.00	1.00	1	Ear	Pooled
21855 132015	Hs.9238	R32457	20.83	1.00	30.83	20.00	5.00	5	Ear	Liver
21870 614760	Hs.190146	AA453227	5.76	0.99	5.82	1.00	0.00	5	462.95 Tonsil	LID not found Other
21871 132557	Hs.174823	R28750	5.90	1.00	5.90	2.00	0.00	5	322.31 Placenta	LID not found Other
21872 246051	Hs.117023	NS9108	96.59	1.17	82.51	2.00	0.00	5	372.15 Pool	LID not found Other
21882 885801	Hs.110738	AA262080	9.29	0.00	928575.31	14.00	0.00	5	507.95 Nose	Blood
21887 132354	Hs.201605	R27327	325.01	14.75	22.03	2.00	0.00	1	82.43 Placenta	LID not found Other
21888 360743	Hs.214120	AA016001	43.92	2.76	15.93	4.00	0.00	11	86.04	LID not found Other
21891 755846	Hs.6284	AA485882	7.11	0.23	31.50	6.00	0.00	6	116.42 Ovary	Pancreas
21892 236699	Hs.46721	N47445	37.91	2.18	17.39	5.00	1.00	7	166.97 CNS	Colon
21903 431231	Hs.6059	AA682527	76.17	5.15	14.79	6.00	5.00	11	242.83 Neural	Heart
21904 451247	Hs.16808	AA780055	5.09	1.00	5.09	1.00	0.00	1		
21907 399577	Hs.32428	AA733080	6.18	1.00	6.18	1.00	0.00	1		
21912 451252	Hs.121138	AA780057	6.72	1.00	6.72	1.00	0.00	7	113.78 Eye	CNS
21914 277430	Hs.69749	NS6860	66.40	7.49	8.87	1.00	0.00	13	76.34 Tonsil	Parathyroid
21922 277588	Hs.219253	NS7005	35.56	2.26	15.84	1.00	0.00	19	CNS	LID not found
21926 281053	Hs.126859	NS0907	14.27	1.00	14.27	2.00	0.00	1	76.34 Tonsil	Kidney
21928 451364	Hs.112184	AA707004	5.64	1.00	5.64	3.00	0.00	19	269.63 Nose	Stomach
21931 414992	Hs.31854	W63066	26.01	1.66	15.67	1.00	0.00	1	Germ Cell	CNS
21942 280831	Hs.47084	NS0684	11.27	1.71	6.61	2.00	0.00	1	153.88 Blood	Colon
21947 415326	Hs.18644	W92036	8.55	1.59	5.44	1.00	0.00	1	Colon	Lung
21948 450079	Hs.119762	AA703419	15.57	2.98	5.23	1.00	0.00	7	475.43 Stomach	Ear
21951 431284	Hs.50476	AA692628	15.74	2.68	5.87	1.00	0.00	4	31.19 Blood	Adrenal gland
21953 413292	Hs.82604	AA772494	37.91	2.38	16.05	15.00	2.00	19	24.02 Skin	Thyroid
21960 280950	Hs.24952	NS0843	37.66	2.91	12.96	1.00	0.00	7		
21967 431381	Hs.119883	AA706882	7.39	1.30	5.68	1.00	0.00	19		
21973 756554	Hs.24983	AA481437	49.33	7.72	6.39	1.00	0.00	4		
21974 260992	Hs.173789	NS0059	14.79	0.55	17.42	6.00	4.00	1		
21976 451337	Hs.18160	AA707413	22.70	1.00	22.70	11.00	2.00	1	-1.01 Pooled	Uterus
21982 260985	Hs.219744	N47682	26.51	3.81	7.76	1.00	0.00	1	Muscle	Uterus
21987 897276	Hs.110443	AA677650	9.72	0.97	10.00	5.00	6.00	8	117.56 Parathyroid	Eye
21989 485288	Hs.24435	AA043945	6.47	0.22	29.66	8.00	5.00	5	378.62 Larynx	Synovial mem
21990 748163	Hs.193974	AA417618	74.10	8.27	8.97	4.00	1.00	1		
21992 824132	Hs.28166	AA480614	19.69	3.66	6.38	1.00	0.00	5		
21998 746224	Hs.211965	AA417740	71.29	6.36	11.17	2.00	0.00	1		
22000 824193	Hs.44580	AA490959	52.34	5.89	6.88	6.00	0.00	21	CNS	Breast
22007 25360	Hs.111008	R15074	7.04	0.82	6.54	1.00	0.00	20	Kidney	Tonsil
22011 25864	Hs.78006	R39924	15.86	1.00	5.73	3.00	3.00	5	231.24 Pancreas	Ovary
22017 485538	Hs.7558	AA042812	155.36	21.01	7.39	3.00	0.00	2	329.54 Thyms	Bone
22018 746347	Hs.110347	AA481406	10.39	1.94	5.35	1.00	0.00	1	706.46 Gall bladder	Stomach
22019 28135	Hs.215848	R20816	28.05	3.52	7.39	3.00	0.00	2	357.28 Adipose	Pooled
22020 824332	Hs.219883	AA489864	5.49	0.70	7.81	1.00	0.00	12	646.08 Forekin	Cervix
22025 480753	Hs.6693	AA133166	179.73	25.72	6.99	1.00	0.00	10	242.89 Spleen	Umbilical cord
22027 321134	Hs.217486	R43328	26.67	3.71	7.23	1.00	0.00	10	61.6 Forekin	Thyroid
22029 480789	Hs.7393	AA133204	45.43	4.07	11.16	5.00	0.00	11	371.25 Adrenal gland	Germ Cell
22030 814062	Hs.37892	AA465338	12.21	2.13	5.74	1.00	0.00	4	22.83 Larynx	Uterus
22031 32621	Hs.168487	R43272	10.03	1.49	6.71	1.00	0.00	1	639.11 Smooth musc	Germ Cell
22032 824376	Hs.203506	AA489490	5.12	0.00	511.075.95	11.00	5.00	1	398.18 Thymus	Cervix
22034 128032	Hs.76353	R10382	20.56	3.17	7.80	2.00	0.00	14	251 Adrenal gland	Germ Cell
22039 155842	Hs.206684	R71738	576.75	73.91	7.80	2.00	0.00	12	472.07 Stomach	Colon
22040 392405	Hs.218319	AA708201	9.84	1.55	6.33	0.00	1.00			

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22047	155627	Hs.101617	R71777	28.43	6.13	5.74	2.00	0.00	0.00	Ear	Breast	Placenta
22056	392444	Hs.206507	AA708001	17.91	2.04	8.78	1.00	0.00	0.00	9.45 Smooth muscle	CNS	Pool
22058	129147	Hs.16475	R10803	5.71	0.10	57.05	7.00	5.00	0.00	247.35 Adrenal gland	Placenta	Whole embryo
22059	140107	Hs.218559	R05953	7.40	1.00	7.40	1.00	0.00	0.00	Breast	LID not found	Other
22063	155118	Hs.113684	R70233	5.64	0.89	6.32	1.00	0.00	0.00	165.05 Pool	LID not found	Other
22066	190256	Hs.168682	H29658	167.05	1.00	167.05	9.00	6.00	0.00	218.18 Aorta	Whole embryo	Heart
22070	203762	Hs.192924	H56372	12.17	0.75	16.26	2.00	0.00	0.00	372.4 Pooled	Adipose	Stomach
22078	203840	Hs.28403	H56147	11.66	0.25	46.34	8.00	5.00	0.00	439.64 Eye	Pool	LID not found
22080	392673	Hs.180079	AA708348	495.17	9.13	54.22	3.00	0.00	0.00	368.51 Pool	Brain	LID not found
22088	392607	Hs.194366	AA708240	300.36	13.19	22.78	2.00	0.00	0.00	287.35 Umbilical cord	Eye	Breast
22092	221976	Hs.108551	H85536	11.29	0.47	23.69	2.00	0.00	0.00	272.22 Pool	LID not found	Other
22094	203676	Hs.37310	H55453	67.37	3.14	21.44	2.00	0.00	0.00	Pool	LID not found	Other
22103	222008	Hs.63542	H85547	20.22	3.79	5.33	1.00	0.00	0.00	Pooled	Pancreas	Eye
22102	204437	Hs.177264	H53004	42.92	2.14	20.08	1.00	0.00	0.00	488.02 Thyroid	Pancreas	Placenta
22106	126629	Hs.22038	R16566	40.68	5.04	8.08	1.00	0.00	0.00	138.08 Adipose	Placenta	Whole embryo
22107	140299	Hs.163892	R69923	336.45	14.32	23.50	2.00	0.00	0.00	180.31 Small intestine	Parathyroid	Pancreas
22108	190313	Hs.219387	H53062	16.56	1.11	14.93	1.00	0.00	0.00	426.89 CNS	Brain	Uterus
22115	148650	Hs.129879	H12723	33.60	0.93	36.38	23.00	4.00	0.00	Foreskin	Whole embryo	Kidney
22120	392641	Hs.129865	AA708327	31.08	1.16	26.81	4.00	0.00	0.00	564.37 Foreskin	LID not found	Other
22123	148352	Hs.218907	H13278	15.08	1.38	10.93	7.00	1.00	0.00	293.18 Pool	Small intestine	Parathyroid
22126	204700	Hs.24248	H67105	35.30	3.37	10.47	0.00	2.00	0.00	135.17 CNS	Blood	Tonsil
22128	392647	Hs.43307	AA708329	17.08	0.46	36.83	4.00	0.00	0.00	444.77 CNS	Parathyroid	Lung
22132	433766	Hs.121855	AA708434	7.20	0.30	24.05	3.00	0.00	0.00	367.22 Aorta	Foreskin	Whole embryo
22138	288775	Hs.91825	N62508	6.88	0.86	7.96	1.00	0.00	0.00	Thymus	Synovial mem	Adrenal gland
22139	433269	Hs.117331	AA659715	5.32	1.00	5.32	2.00	0.00	0.00	Nose	Pooled	Placenta
22141	272140	Hs.42532	N35469	34.42	0.58	58.95	8.00	6.00	0.00	368.74 Germ Cell	Foreskin	Whole embryo
22143	435570	Hs.114078	AA701823	5.70	0.82	9.23	1.00	0.00	0.00	42.75 Synovial mem	Adrenal gland	Blood
22145	264597	Hs.19830	N20328	24.79	2.56	8.70	2.00	0.00	0.00	CNS	Muscle	Tonsil
22147	434660	Hs.193751	AA659557	19.91	2.19	9.11	1.00	0.00	0.00	152.55 Whole embryo	Kidney	Lung
22155	434378	Hs.163013	AA659562	11.12	1.00	11.12	3.00	0.00	0.00	104.71 Gall bladder	Parathyroid	
22156	453798	Hs.168047	AA779199	5.48	1.00	5.48	3.00	0.00	0.00	274.69 Uterus	CNS	Whole embryo
22157	272293	Hs.175445	N35614	7.38	1.06	6.95	1.00	0.00	0.00	CNS	LID not found	Other
22159	322192	Hs.203824	N37780	20.24	1.00	20.24	0.00	2.00	0.00	319.19 Nose	CNS	Pancreas
22164	454150	Hs.194130	AA677215	50.66	6.71	7.56	1.00	0.00	0.00	Whole embryo	Tonsil	Colon
22166	322194	Hs.214067	N37782	332.82	16.14	14.42	2.00	0.00	0.00	86.55 Foreskin	Tonsil	Whole embryo
22170	288868	Hs.44563	N62617	31.73	6.12	5.19	1.00	0.00	0.00	137.73 Lymph	Uterus	CNS
22174	322218	Hs.55609	N37693	14.92	1.00	14.92	4.00	0.00	0.00			
22175	435658	Hs.20007	AA701288	14.33	2.15	6.65	1.00	0.00	0.00			
22177	264662	Hs.214753	N20407	609.18	47.62	12.79	2.00	0.00	0.00			
22185	265103	Hs.23765	N21338	7.07	0.20	35.92	7.00	5.00	0.00			
22186	454128	Hs.23617	AA677212	11.20	1.87	6.72	1.00	0.00	0.00			
22189	272507	Hs.21043	N35825	30.51	4.24	7.20	3.00	0.00	0.00			
22190	1239859	Hs.24212	AA705941	18.23	1.84	9.82	4.00	0.00	0.00			
22191	435600	Hs.188455	AA703171	6.49	1.00	6.49	2.00	0.00	0.00			
22193	265627	Hs.203758	N22828	9.75	0.65	14.12	5.00	5.00	0.00			
22194	268959	Hs.26338	N58908	9.06	1.00	9.06	1.00	0.00	0.00			
22196	454173	Hs.70573	AA677077	37.11	5.04	7.36	2.00	0.00	0.00			
22198	1240062	Hs.120163	AA706664	8.43	1.00	8.43	2.00	0.00	0.00			
22199	435615	Hs.20414	AA703168	7.15	1.00	7.15	1.00	0.00	0.00			
22200	823955	Hs.106847	AA490450	37.65	3.76	10.01	4.00	0.00	0.00			
22201	265668	Hs.21861	N25344	53.66	1.00	53.66	20.00	5.00	0.00			
22202	288975	Hs.118111	N62716	6.82	1.00	6.82	2.00	0.00	0.00			
22203	433564	Hs.191460	AA701640	0.29	1.00	5.28	1.00	0.00	0.00			
22205	272578	Hs.167115	N35907	70.57	11.66	8.05	2.00	0.00	0.00			
22208	824052	Hs.62620	AA491208	11.23	1.00	11.23	6.00	0.00	0.00			
22209	265626	Hs.124230	N22824	6.01	0.93	5.41	1.00	0.00	0.00			
22210	268593	Hs.25391	N59816	13.16	1.00	13.19	8.00	0.00	0.00			

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Table 3A

22217	286135	Hs.127356	H21533	100.02	3.23	30.97	19.00	0.00	1	584.57	Smooth musc	Kidney	Fore skin
22218	286016	Hs.16064	N62729	13.88	2.38	5.63	1.00	0.00	5	604.7	CNS	Breast	Testis
22220	434196	Hs.117030	AA677085	9.07	1.00	9.07	1.00	0.00			Pool	LID not found	Other
22225	838152	Hs.175516	AA633805	30.70	0.10	307.00	7.00	6.00	15	261.66	Prostate	Parathyroid	Colon
22226	825742	Hs.91139	AA504845	13.31	2.82	5.07	0.00	1.00	9	24.47	Adrenal gland	Cervix	Tonsil
22227	701305	Hs.210603	AA287928	99.98	6.61	15.13	2.00	0.00			Tonsil	LID not found	Other
22228	858107	Hs.195092	AA633816	94.32	3.60	26.21	9.00	4.00	X	283.51	Adipose	Placenta	Stomach
22230	825805	Hs.23618	AA505134	114.34	14.58	7.76	2.00	0.00	13	322.43	Adipose	Fore skin	Eye
22235	701411	Hs.141803	AA287949	84.72	9.84	8.61	2.00	0.00			Spleen	Blood	Prostate
22236	460981	Hs.119473	AA704171	52.71	8.44	6.25	1.00	0.00					
22241	858979	Hs.10326	AA778942	50.05	0.55	91.01	9.00	6.00			CNS	Breast	Blood
22243	701460	Hs.23794	AA268906	6.22	0.10	82.21	6.00	5.00					
22244	461383	Hs.188824	AA704908	220.25	14.31	15.39	2.00	0.00					
22248	481372	Hs.191359	AA704902	10.91	1.74	6.28	2.00	1.00					
22249	839185	Hs.218080	AA666318	14.94	2.23	6.69	2.00	1.00			Umbilical cord	Adrenal gland	Eye
22252	461403	Hs.97863	AA704945	19.75	3.21	6.15	1.00	0.00	12	36.84	Ignore	Adrenal gland	Podod
22253	839192	Hs.20021	AA666312	16.08	0.10	160.78	8.00	6.00	6	130.9	Spleen	Prostate	Eye
22254	825845	Hs.191402	AA504778	17.71	1.00	17.71	7.00	6.00					
22256	481436	Hs.121084	AA705219	159.89	3.40	47.06	3.00	1.00	2	845.98	Fore skin	Uterus	Liver
22257	858228	Hs.11223	AA683366	116.63	13.61	8.13	2.00	1.00	7	880.45	Tonsil	Heart	Colon
22259	701602	Hs.22301	AA504783	7.66	1.52	5.04	1.00	0.00			Lymph	Tonsil	Pool
22261	839333	Hs.98617	AA287041	5.78	1.00	5.78	1.00	1.00				Brain	Kidney
22262	825072	Hs.41787	AA668575	18.05	1.00	19.05	5.00	5.00	1	49.6	Ovary	CNS	Aorta
22263	701677	Hs.92402	AA521384	8.22	0.10	82.24	5.00	1.00	21	144.63	Tonsil		Tonsil
22264	461499	Hs.185509	AA287067	1107.28	213.81	5.18	1.00	0.00	19	52.61	Whole embryo	Kidney	
22266	826103	Hs.22761	AA521416	45.33	4.75	9.55	1.00	1.00			Uterus	Aorta	Kidney
22269	838832	Hs.69350	AA688331	41.36	2.29	7.85	0.00	2.00	1	538.68	Small intestine	Uterus	Germ Cell
22270	826109	Hs.41371	AA521327	7.75	0.70	11.14	3.00	0.00			Tonsil	Testis	Pool
22271	701710	Hs.220204	AA287097	28.01	1.40	20.01	5.00	0.00	18	373.55			
22272	481522	Hs.125656	AA705237	25.68	4.85	5.29	1.00	0.00					

Data are of 118 names of Table 2a1

Table 3B

#	IMAGE_ID	Gen Bank Accession	Ave-Normal- expression	Min- expression of- 23 tumors	Max-fold- down	Count-down tumors	Count-down cell lines	Chromosome	Location	Tissue 1	Tissue 2	Tissue 3
30	764561	AA423102	150.57	4.16	36.15	23.00	6.00			Nose	Placenta	Pancreas
176	764636	AA425352	158.81	5.65	28.09	23.00	6.00	3	430.32	Eye	Brain	Pool
376	264815	N27159	86.76	0.80	108.05	23.00	6.00	7	186.97	Larynx	Stomach	Pooled
683	52056	H27335	193.97	2.92	68.54	23.00	6.00			Synovial mem	Ear	Gall bladder
1134	267212	V03754	86.02	1.00	86.02	23.00	6.00			Colon	Heart	Pool
1182	811740	AA463610	121.44	3.44	36.22	23.00	6.00	5	287.46	Pancreas	Lymph	
1188	193383	H48097	114.28	12.54	9.11	23.00	6.00	3	726.84	Thyroid	Placenta	Uterus
2430	785933	AA448569	125.66	2.76	45.61	73.00	6.00	X	112.8	Umbilical cord	Fore skin	Pooled
2441	149737	H00592	16.73	1.76	8.53	23.00	6.00	15	165.59	Placenta	Pool	LID not found
2559	127120	R08121	117.48	2.37	49.56	23.00	6.00	6	623.15	Stomach	Spleen	Liver
2688	45542	H08560	251.48	6.46	38.91	23.00	6.00	2	887.82	Thyroid	Adrenal gland	Thymus
2750	141966	R68803	92.92	2.23	41.68	23.00	6.00	15	338.52	Placenta	Uterus	Pool
3226	485989	AA040170	137.15	2.59	52.99	23.00	6.00			Aorta	Liver	Heart
3229	666879	AA232968	136.92	3.81	36.49	23.00	6.00			Larynx	Prostate	Heart
3886	357031	V93163	76.92	2.28	33.73	23.00	6.00			Bone	Ear	Pooled
4597	243878	H45263	34.31	2.50	13.70	23.00	6.00	2	708.21	Cervix	Tonsil	Eye
4748	505559	AA150918	86.50	2.87	12.86	23.00	6.00			Germ Cell	Germ Cell	Pool
5727	335713	R32428	98.26	1.56	61.80	23.00	6.00	1	894.66	Uterus	CNS	Germ Cell
5810	328609	R43734	122.61	8.42	19.10	23.00	6.00	9	360.93			
6343	51353	H23979	326.98	0.57	575.24	23.00	6.00	15	166.71	Placenta	Testis	Pool
6448	41432	R58916	30.95	0.51	80.44	23.00	6.00	X	293.18	Umbilical cord	Aorta	Umbilical cord
7423	245277	N53447	82.58	2.29	36.12	23.00	6.00	6	165.59	Placenta	Pool	Umbilical cord
7505	51221	H18246	12.37	0.21	59.55	23.00	6.00	3	393.43	Thyroid	Ear	Spleen
7632	841415	AA487557	354.36	12.92	27.43	23.00	6.00	X	245.05	Peripheral ner	Bone	Tonsil
7781	324660	V47225	110.96	0.95	120.25	23.00	6.00	1	639.73	Umbilical cord	Aorta	Thymus
8164	415028	V04789	87.62	0.56	157.54	23.00	6.00	22	127.87	Eye	Brain	Bone
8587	324951	V46352	120.04	0.01	13220.11	23.00	6.00	12	226.22	Head and nec	Stin	Germ Cell
8738	324655	V47101	1365.43	2.54	536.87	23.00	6.00	15	95.19	Stomach	Bone	Fore skin
8801	25194	R39044	178.12	0.91	196.48	23.00	6.00	21	217.43	Placenta	Ignore	Pooled
8836	548633	AA102526	121.81	0.85	143.16	23.00	6.00	15	65.19	Stomach	Bone	Fore skin
8952	310408	N98591	70.02	0.88	81.50	23.00	6.00	2	411.43	Blood	Blood	Pancreas
8976	491783	AA150307	767.65	1.85	414.34	23.00	6.00	18	370.09	Breast	Brain	Pool
9034	756687	AA443899	364.12	10.38	35.10	23.00	6.00	14	251	Omentum	Pancreas	Pool
9038	128753	R16838	78.99	0.48	175.38	23.00	6.00	7	99.58		Pooled	Bone
9308	771004	AA427719	57.40	1.19	48.09	23.00	6.00	2	411.43	Head and nec	Adrenal gland	Pancreas
9332	257422	N27179	54.22	0.62	87.38	23.00	6.00	12	471.4	Kidney	Pool	LID not found
9427	814788	AA458235	1602.82	3.80	422.01	23.00	6.00	10	409.68	Eye	Kidney	Testis
9469	825508	AA878458	75.17	1.00	75.17	23.00	6.00	4	71.55	Gall bladder	Pooled	Fore skin
9566	345880	V72033	392.30	3.92	100.10	23.00	6.00	15	338.52	Synovial mem	Pancreas	Stomach
10615	147050	R80217	130.10	2.08	62.49	23.00	6.00	8	99.1	Synovial mem	Pooled	
10815	277507	N56890	29.38	2.16	13.62	23.00	6.00	1	183.83	Brain	Heart	Testis
12121	252515	H87471	46.73	3.98	11.75	23.00	6.00	3	52.58	CNS	Pool	Brain
12155	78169	T58658	302.26	8.75	34.55	23.00	6.00	1	639.73	Umbilical cord	Placenta	Bone
12357	273501	N33284	15.12	0.00	1511962.15	23.00	6.00	4	443.86	Adipose	Uterus	Kidney
13134	789266	AA460826	67.41	3.31	20.36	23.00	6.00	9	313.02	Fore skin	LID not found	Other
13325	69002	T54288	87.61	1.00	87.61	23.00	6.00	19	52.61	Bone marrow	Synovial mem	Parathyroid
13973	256116	N27108	167.98	2.02	83.16	23.00	6.00	7	480.24	Pool	LID not found	Other
13809	811955	AA456542	56.44	1.00	56.44	23.00	6.00			Pool	LID not found	Other
14188	1412412	AA4846015	11.97	1.00	11.97	23.00	6.00			Pancreas	LID not found	Other

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Table 3B

14399	3596.10	A0011062	48.20	0.61	78.57	23.00	5.00	20	44.28	Cervix	Pancreas	Heart
14889	786732	A4460708	212.22	2.33	91.26	23.00	6.00		528.84	Umbilical cord	Col bladder	Aorta
15276	788271	A4424813	105.24	4.67	22.61	23.00	6.00	7		Tonsil	Testis	Brain
15295	1410444	A0357163	116.11	0.10	1161.05	23.00	6.00			Thymus	Cobn	Prostate
15356	238611	H78534	116.97	3.91	29.95	23.00	6.00	11	36.53	Aorta	Heart	Spleen
15422	773443	A4426022	42.71	1.00	42.71	23.00	6.00	6	678.04	Whole embryo	Cobn	Pancreas
15780	346997	W79445	536.24	1.53	351.34	23.00	6.00	9	26.29	Gall bladder	Aorta	Placenta
15915	416113	W055900	197.22	4.22	46.73	23.00	6.00	8	144.34	Pool	Kidney	Testis
16444	1486083	A0365768	31.16	0.15	201.84	23.00	6.00	2	409.88	Head and nec	Germ Cell	Pancreas
16527	284814	N64814	15.39	1.50	10.23	23.00	6.00	6	130.08	Peripheral	nerfignore	Ear
16948	308828	N91914	47.89	1.90	25.27	23.00	6.00			Lung	LID not found	Other
17295	278809	N66580	44.64	0.29	151.88	23.00	6.00			CNS	LID not found	Other
18823	416374	H98202	332.46	6.23	53.34	23.00	6.00	15	165.59	Brain	Cobn	Whole embryo
18767	148954	H13181	73.32	1.00	73.32	23.00	6.00	15	65.19	Placenta	Pool	Aorta
19631	324513	W51909	103.09	0.63	162.42	23.00	6.00			Stomach	Bone	Fore skin
19962	878596	A0715257	64.57	3.25	19.90	23.00	6.00			Testis	Ovary	Uterus
20047	430558	A0777116	69.12	1.70	40.78	23.00	6.00	X	281.38			
20183	151067	H02039	73.92	3.32	22.25	23.00	6.00	9	380.93			
20422	187914	R86235	81.22	0.06	1250.62	23.00	6.00	8	148.03	Adrenal gland	Whole embryo	Testis
20985	397468	A4701075	73.50	3.79	19.40	23.00	6.00			Ear	Pooled	Liver
21822	858958	A0879454	384.80	0.26	1993.26	23.00	6.00			Adipose	Pooled	Placenta
21855	132015	R32457	33.80	0.93	30.83	23.00	6.00	X	274.89	Uterus	CNS	Whole embryo
22201	148850	H12723	33.80	1.00	53.66	23.00	6.00	5	490.97	Pooled	Fore skin	
4204	341680	W60414	123.61	2.00	61.92	23.00	5.00	5	490.97	Pooled	Fore skin	
10154	345848	W70343	186.40	2.68	70.85	23.00	5.00	2	465.9	Fore skin	LID not found	Other
20293	268426	N26171	221.91	2.87	77.31	23.00	5.00	12	228.74			
102	753620	A4478724	77.63	3.12	24.87	23.00	5.00	10	187.81	Umbilical cord	Small intestine	Gall bladder
1166	343072	W67174	764.58	7.58	100.88	23.00	5.00	18	81.14	Cervix	Nose	Uterus
1939	120881	T86083	127.34	12.83	9.92	23.00	5.00	3	232.58	Stomach	Muscle	Bone
2736	127508	R09069	171.64	9.53	18.01	23.00	5.00	11	414.14	CNS	Umbilical cord	Brain
2774	51543	H20758	20.17	1.09	16.49	23.00	5.00	3	54.58	Synovial mem	Pooled	Whole embryo
2965	246722	N59721	381.44	5.89	63.68	23.00	5.00	4	560.82		Blood	Whole embryo
4327	769012	A4452681	44.64	0.27	165.25	23.00	5.00	12	446.49	Placenta	Adrenal gland	Pooled
4367	23073	R35539	165.06	0.80	180.62	23.00	5.00	1	544.45	Aorta	Ear	Pooled
4431	137456	R38300	28.22	2.26	12.46	23.00	5.00	X	317.31	Spleen	Thymus	Neural
4636	812105	A4456008	54.66	3.11	17.55	23.00	5.00	4	450.37	Stomach		Pancreas
4822	263078	N68719	53.19	2.95	18.01	23.00	5.00	1	592.98	Neural	Bone	
8288	324437	W46900	170.76	1.29	132.43	23.00	5.00	12	446.49	Placenta	Adrenal gland	Pooled
7442	199367	R89881	341.19	2.23	153.00	23.00	5.00	1	592.98	Neural	Bone	
7492	22355	T89994	342.87	0.59	576.93	23.00	5.00	12	592.98	Placenta	Adrenal gland	Pooled
9176	70500	T48842	78.36	2.24	34.69	23.00	5.00	1	450.37	Stomach		Pancreas
10633	429348	A4007419	251.57	2.88	87.46	23.00	5.00	4	51.33	Adrenal gland	Whole embryo	Uterus
10668	561916	A4085676	44.31	2.08	21.33	23.00	5.00	8	65.26	Parathyroid	Brain	Lung
11184	419204	W64896	172.21	0.45	395.02	23.00	5.00	1	191.7	CNS	Aorta	
11370	323238	W42723	276.15	2.97	92.89	23.00	5.00	1			LID not found	Other
11571	505076	AA148627	55.08	0.99	55.48	23.00	5.00	4				
13128	731240	AA417363	79.80	5.23	15.27	23.00	5.00	1				
13523	262283	N49746	36.42	1.00	36.42	23.00	5.00	1				
17303	488246	A4088177	158.58	2.63	60.78	23.00	5.00	6				
17509	204064	N64817	46.19	1.00	46.19	23.00	5.00	11				
21128	394257	AA702104	18.00	0.81	22.35	23.00	5.00	1				
21953	413292	AA772464	37.91	2.38	16.05	23.00	5.00	1				
21978	451557	AA707413	22.70	1.00	22.70	23.00	5.00	6				
22210	268883	N59816	13.19	1.00	13.19	23.00	5.00	11				
4250	589115	AA143201	224.97	1.06	208.10	23.00	4.00	1				
1353	240694	H78134	49.06	1.76	27.54	23.00	4.00					

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Table 3B

4739	760298	AA425947	170.76	9.06	18.80	23.00	4.00	11	47.28	Adipose	Brain
15238	328588	VA45275	165.14	5.76	32.18	23.00	4.00	11	131.34	LID not found	Other
164	760224	AA425139	46.91	2.62	18.65	23.00	4.00	19	247.58	Pancreas	Breast
4007	840818	AA488238	213.08	18.15	11.74	23.00	4.00	3	191.11	Head and nec	Pancreas
5253	201757	R89935	70.72	2.58	27.38	23.00	4.00	10	417.77	Pooled	Stomach
5487	711101	147442	57.19	1.74	32.79	23.00	4.00	20	197.2	Umbilical cord	Esophagus
5502	759873	AA423944	55.48	3.14	17.65	23.00	4.00	11	131.34	Whole embryo	Heart
5556	713145	AA262900	109.30	2.44	58.80	23.00	4.00	11	488.96	LID not found	Other
8308	47432	H11092	59.78	2.35	25.48	23.00	4.00	12	488.96	Pooled	Brain
11702	782576	AA447514	22.42	1.57	14.28	23.00	4.00	3	610.81	CNS	Uterus
13404	1461664	AA885311	30.91	1.70	18.24	23.00	4.00	3	36.94	Neural	Adrenal gland
13984	260596	H97597	172.57	9.07	19.03	23.00	4.00	13	104.13	Small intestine	Cervix
15309	813697	AA453789	37.83	2.03	18.68	23.00	4.00	4	405.63	Neural	Stomach
15435	731311	AA418787	225.10	3.41	66.01	23.00	4.00	3	564.57	Smooth muscle	Fore skin
22217	286735	R21633	100.02	3.23	30.97	23.00	4.00	1	741.81	Prostate	Pancreas
7860	40178	R53578	35.89	4.20	8.54	23.00	3.00	2		Pooled	Germ Cell
16724	897207	AA235116	54.48	1.00	54.48	23.00	3.00			CNS	
20518	279983	N57557	22.21	1.00	22.21	23.00	3.00			Testis	
1725	132373	R26526	30.34	0.98	31.02	23.00	3.00			Placenta	
4001	813254	AA456376	39.32	3.10	12.89	23.00	3.00	5	387.22	Pool	Testis
5830	142122	R83355	42.67	5.65	7.54	23.00	3.00	4	51.84	Fore skin	Whole embryo
6335	324383	W51760	27.48	1.77	15.55	23.00	3.00	4	560.82	Blood	Bone
6639	375716	AA033743	38.77	2.35	15.47	23.00	3.00			Peripheral nerve	Bone
10055	809473	AA443119	388.92	17.21	21.43	23.00	3.00	17	309.87	Esophagus	Umbilical cord
10193	486591	AA042980	105.24	5.84	16.71	23.00	3.00	7	449.84	Smooth muscle	Head and neck
21534	746080	AA482594	69.52	5.80	12.00	23.00	3.00	4	183.25	Smooth muscle	Adipose
3825	711116	T47454	36.99	3.77	10.34	23.00	2.00	2	607	Umbilical cord	Uterus
1866	774751	AA442095	20.34	1.81	11.23	23.00	2.00	15	189.48	Stomach	Adipose
5163	753381	AA408332	116.00	5.70	20.36	23.00	2.00	14	84.58	Bone	Whole embryo
8553	345123	W72167	55.92	1.30	42.80	23.00	2.00	4	468.82	CNS	Adrenal gland
15870	786265	AA451844	103.35	4.63	22.32	23.00	2.00	11	47.21	Umbilical cord	Muscle
19427	207803	H58959	80.24	1.54	52.17	23.00	2.00	2	356.2	Pool	Brain
18080	737191	AA443968	289.54	23.10	12.54	23.00	2.00	2	631.79	Testis	Tonsil
6025	336333	W95882	43.11	5.08	8.48	23.00	1.00	5	123.85	Adrenal gland	LID not found
17661	873650	AA480458	165.53	9.78	18.88	23.00	1.00	5	173.59	Umbilical cord	Germ Cell
18970	502177	AA128388	38.28	1.55	23.35	23.00	1.00	16		Pancreas	Ovary
11288	392564	AA069372	41.81	2.18	19.21	23.00	0.00			Nose	Prostate
										Pooled	Kidney

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Table 3C

#	IMAGE_ID	Gen Bank Accession Number	Min. Expression- of-29	Ave-Normal	Max-Fold- Down	Count-down tumors	Count-down cell lines	Chromosome	Location	Tissue 1	Tissue 2	Tissue 3
8	124781	Hs.188525	0.10	15.55	155.50	8.00	6.00			Neural	Cervix	Tissue 3
30	769561	Hs.340	1.00	150.57	150.57	20.00	6.00	11	376.95	Lymph node	Placenta	Umbilical cord
34	302190	Hs.199160	0.10	10.74	107.41	8.00	6.00			Nose	Placenta	Pancreas
51	242037	Hs.92374	2.32	18.65	8.03	5.00	1.00			Spleen	Testis	Nose
66	324801	Hs.152213	0.55	17.94	32.62	8.00	6.00	3	188.59	Ear		Whole embryo
86	49891	Hs.79876	12.94	127.15	10.06	6.00	0.00	X	80.82	Pooled	Adipose	Placenta
102	753620	Hs.106283	3.12	77.63	24.87	20.00	2.00	12	228.74			
110	79712	Hs.76473	6.14	48.06	7.83	10.00	0.00	6	620.93	Adipose	Smooth muscle	Spleen
115	785595	Hs.54578	32.04	32.04	12.73	7.00	6.00	4	420.51	Whole embryo	Heart	Heart
129	26418	Hs.154210	23.12	23.12	23.12	7.00	3.00	1	293.77	Aorta	Breast	Parathyroid
140	824031	Hs.94	26.00	26.00	17.19	7.00	6.00			Ear	Adipose	Adipose
148	810899	Hs.77550	25.06	25.06	2505.65	14.00	0.00			Germ Cell	Stomach	Umbilical cord
164	760224	Hs.98493	48.91	48.91	18.65	16.00	1.00	18	247.58	Brain	Pancreas	Breast
171	825323	Hs.31053	0.13	24.42	190.80	8.00	6.00	18	216.1	Lung	Heart	Colon
173	208001	Hs.110653	18.11	458.30	25.87	10.00	1.00	11	124.08	Parathyroid	Parathyroid	Thyroid
178	769638	Hs.182576	5.48	188.81	25.98	17.00	8.00	3	430.32	Eye	Brain	Pooled
184	191664	Hs.108623	3.52	114.41	32.48	18.00	6.00	6	648.15	Larynx	Ear	Bone
186	725677	Hs.2994	8.95	130.62	13.12	13.00	0.00			Peripheral ear	Eye	Pooled
200	137208	Hs.152458	0.78	12.07	15.53	9.00	0.00			Germ Cell	Placenta	LID not found
303	110503	Hs.169465	1.51	22.10	14.64	12.00	1.00	11	240.08			
304	809422	Hs.6406	47.02	47.02	22.28	7.00	0.00	2	714.91			
321	156637	Hs.35035	38.26	38.26	27.29	7.00	3.00			Pool	LID not found	Other
345	196222	Hs.35052	37.51	37.51	38.41	8.00	5.00	12	223.36	Heart	Pool	LID not found
359	427008	Hs.724	19.63	19.63	19.63	5.00	5.00	17	309.46	Eye	Synovial mem	Thyroid
376	269815	Hs.197458	0.80	86.75	108.95	22.00	4.00	7	198.97	Larynx	Stomach	Pooled
410	133273	Hs.103724	3.99	39.39	13.21	6.00	1.00			Umbilical cord	Nose	Ear
420	124624	Hs.76097	0.11	390.74	0.10	390.74	0.00	17	70.89	Umbilical cord	Stomach	Stomach
422	122428	Hs.198951	0.12	102.73	855.36	11.00	6.00			Synovial mem	Smooth muscle	Thymus
468	770670	Hs.199136	3.89	76.33	19.12	9.00	5.00	6	547.86	Cervix	Lymph	Tonsil
484	214162	Hs.2867	3.99	293.04	73.43	9.00	3.00			Skin	Germ Cell	Liver
489	768107	Hs.193163	0.22	202.23	202.23	8.00	6.00	2	455.47	Blood	CNS	Pooled
500	609032	Hs.207603	0.41	10.08	24.86	9.00	6.00	8	465.94	Small intestine	Aorta	Stomach
513	824074	Hs.97486	0.44	12.79	28.78	8.00	6.00	14	271.74	Tonsil	Tonsil	Blood
523	231574	Hs.104840	1.47	14.80	10.07	8.00	0.00			Blood	Breast	Tonsil
525	323508	Hs.68151	0.10	326.04	27.98	7.00	6.00	22	29.03	Umbilical cord	Adrenal gland	Adrenal gland
530	841308	Hs.75950	4.78	133.81	27.98	5.00	4.00	3	432.31	Larynx	Spleen	
535	601281	Hs.80680	1.00	15.86	15.86	7.00	4.00			Nose	Esophagus	Skin
553	841203	Hs.75350	0.92	15.82	17.14	6.00	6.00	10	373.8	Nose	Uterus	Bone
561	840511	Hs.2084	105.95	2532.12	23.90	13.00	1.00	10	104.78	Neural	Thyroid	Umbilical cord
562	814701	Hs.79078	5.65	50.25	8.89	6.00	0.00			Adrenal gland	Blood	Spleen
563	811771	Hs.154879	0.64	11.87	18.44	6.00	2.00	22	-6.28	Ignore	Aorta	Brain
569	49164	Hs.109225	2.63	59.04	22.44	9.00	5.00	1	293.88	Heart	LID not found	Other
571	826502	Hs.11538	0.55	37.77	68.88	8.00	6.00	7	510.47	Peripheral ear	Nose	Pancreas
576	243155	Hs.184352	12.87	97.31	7.88	5.00	0.00	17	475.25	Esophagus	Synovial mem	Liver
584	198704	Hs.205637	3.21	139.34	43.45	8.00	6.00	10	360.86			
585	129585	Hs.118786	4.09	247.62	60.49	10.00	3.00			Pool	LID not found	Other
596	141106	Hs.28704	0.74	30.01	40.64	14.00	0.00	21	146.87	Placenta	LID not found	Other
601	765916	Hs.195568	0.08	44.57	561.26	14.00	0.00			213.64	Pooled	Tonsil
615	151898	Hs.21738	0.21	37.52	175.88	7.00	0.00	13	528.62			
624	295973	Hs.52463	2.20	21.73	8.88	12.00	0.00	10		Pool	LID not found	Other
648	199841	Hs.33433	18.22	18.22	9.58	6.00	0.00			Pool	Pool	LID not found
664	194597	Hs.187852	56.83	56.83	43.78	8.00	6.00	1	862.55	Pool	LID not found	Other
672	245517	Hs.33448	0.84	31.55	37.50	14.00	0.00			688.48	CNS	Eye
673	292522	Hs.38022	2.36	28.39	12.01	10.00	2.00	8				

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678	211800	Hs. 91532	H71082	71.43	6.00	10.36	8.00	1.00	Skin	Autia	Blood
683	52096	Hs. 74615	H23235	193.97	1.00	193.97	22.00	6.00	Synovial mem	Ear	Gall bladder
686	247763	Hs. 6666	N77617	20.22	2.33	8.68	0.00	0.00	27.42	Thyroid	Brain
709	240318	Hs. 176003	H89795	10.25	0.09	109.20	7.00	5.00	Pool	LID not found	Other
716	805645	Hs. 5011	AA454681	76.47	5.92	12.92	5.00	0.00	Pooled	Germ Cell	Heart
727	359933	Hs. 113368	AA035620	81.35	5.31	15.32	7.00	0.00	154.97	Skin	Stomach
780	770784	Hs. 203278	AA427585	22.55	1.47	15.37	11.00	1.00	283.88	Heart	Stomach
784	44477	Hs. 108225	H07071	55.47	1.00	55.47	10.00	5.00	465.66	Pooled	Spleen
804	31093	Hs. 63964	R10717	54.84	1.77	31.61	19.00	3.00	130.74	Thymus	Parathyroid
816	129148	Hs. 30668	R10856	80.28	6.04	13.30	7.00	0.00	413.8	Neural	Bone
823	666639	Hs. 187260	AA233339	28.59	0.01	28.59	14.00	0.00	255.34	Synovial mem	Stomach
873	184176	Hs. 78040	H27012	29.71	0.55	53.78	9.00	6.00	306.76	Cervix	Uterus
882	81518	Hs. 181060	T63686	15.94	0.01	1594.48	14.00	0.00	Ecophagus	Nose	Stomach
885	826350	Hs. 71196	AA521025	16.75	0.23	72.19	9.00	8.00	531.66	Gall bladder	Breast
887	35828	Hs. 789	R14693	50.48	2.04	24.80	20.00	4.00	545.05	Lymph node	Synovial membrane
917	123926	Hs. 83942	R01515	19.79	1.55	12.77	8.00	4.00	501.76	Thymus	Cervix
928	950445	Hs. 81773	AA589092	146.63	21.77	6.67	5.00	0.00	71.31	Nose	Breast
938	150466	Hs. 166373	H01039	65.97	1.82	36.35	21.00	5.00	174.17	Testis	Colon
940	262231	Hs. 970	H99170	48.77	2.26	21.55	9.00	1.00	114.04	Nose	LID not found
941	897670	Hs. 44775	AA466000	24.48	0.18	134.08	9.00	6.00	245.06	Brain	LID not found
976	154214	Hs. 25580	R51946	23.81	0.37	69.03	14.00	0.00	Pool	LID not found	Other
982	154289	Hs. 203358	R53021	134.84	2.95	45.78	11.00	3.00	429.02	Pool	Other
1040	138165	Hs. 204336	R53900	61.67	3.31	18.64	9.00	6.00	473.2	Pool	Heart
1041	127076	Hs. 18628	R07988	17.84	0.89	19.98	7.00	0.00	444.46	Colon	Pool
1057	245413	Hs. 35100	N77203	27.69	1.18	23.41	13.00	0.00	187.91	Umbilical cord	Small intestine
1081	230637	Hs. 204150	H75480	18.96	2.21	8.58	5.00	2.00	501.78	Pooled	Stomach
1128	249649	Hs. 163392	H37000	13.90	0.10	139.04	8.00	6.00	287.48	Pancreas	Lymph
1134	297212	Hs. 188543	H03754	86.02	1.00	66.92	23.00	6.00	728.64	Thyroid	Uterus
1154	347731	Hs. 83572	V48056	26.43	1.58	16.87	11.00	0.00	453.79	Head and nec	Cervix
1158	347721	Hs. 169079	V483291	14.05	0.69	20.41	6.00	5.00	554.6	Bone marrow	Head and nec
1159	292806	Hs. 204082	N69204	25.72	2.22	11.69	8.00	0.00	61.77	Larynx	Synovial mem
1166	343072	Hs. 74487	V487174	764.56	7.88	100.88	20.00	2.00	277.53	Ear	Whole embryo
1172	669443	Hs. 158195	AA250730	13.00	0.66	19.61	14.00	0.00	22.62	Skin	Uterus
1182	811740	Hs. 1142	AA463510	124.44	3.44	36.22	20.00	4.00	557.95	Adipose	Germ Cell
1188	163383	Hs. 4934	H48097	114.29	7.81	14.64	8.00	3.00	538.34	Stomach	Pancreas
1192	753215	Hs. 203862	AA406420	34.15	3.52	9.71	5.00	0.00	227.72	Cervix	Thyroid
1236	740027	Hs. 96247	AA477514	87.23	0.11	816.14	9.00	6.00	630.67	Ear	Uterus
1247	110467	Hs. 139851	T69391	86.60	2.22	39.02	17.00	2.00	3.89	Liver	Whole embryo
1249	840768	Hs. 76159	AA486138	19.36	0.10	195.84	9.00	6.00	508.5	Larynx	Adipose
1251	786607	Hs. 95243	AA451989	48.44	2.13	22.73	8.00	4.00	25.02	Peripheral nec	Cervix
1253	166195	Hs. 75108	R89242	14.71	0.10	147.10	7.00	6.00	477.78	Neural	Pancreas
1257	77133	Hs. 81972	T50633	74.73	7.72	9.68	5.00	0.00	620.93	Stomach	CNS
1266	713782	Hs. 92208	AA292676	12.27	0.27	45.28	9.00	6.00	340.31	Eye	Forekin
1274	843321	Hs. 21881	AA489569	526.18	32.07	18.41	8.00	1.00	115.14	Lymph node	Head and nec
1278	788285	Hs. 76252	AA452827	19.08	1.65	11.34	12.00	2.00	72.78	Epithelium	Skin
1277	81417	Hs. 168617	T60223	47.66	4.24	11.23	6.00	2.00	358.28	Nose	Placenta
1285	784593	Hs. 6838	AA443302	119.65	8.17	14.68	5.00	1.00			
1288	325070	Hs. 108276	V47077	114.61	8.85	12.95	5.00	2.00			
1299	897987	Hs. 75227	AA598884	14.14	0.55	25.71	9.00	6.00			
1313	714106	Hs. 77274	AA264668	102.66	4.05	25.37	14.00	1.00			
1314	897563	Hs. 163345	AA469609	89.81	10.43	8.61	7.00	0.00			
1323	809394	Hs. 174130	AA456585	233.32	7.89	29.57	9.00	6.00			
1328	888095	Hs. 119	AA588802	15.96	0.50	31.94	9.00	6.00			
1330	263200	Hs. 153445	H95544	17.89	2.80	6.38	8.00	0.00			
1333	827132	Hs. 173466	AA521232	137.82	1.00	137.82	7.00	3.00			
1338	893305	Hs. 76307	AA598830	60.04	0.55	109.17	9.00	6.00			
1345	244147	Hs. 821	N51016	13.92	0.10	139.20	9.00	8.00			

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1353	240894	Hs.167787	H78134	49.08	1.70	27.54	16.00	1.00	1	593.09	Stomach	Bone	Placenta
1356	140301	Hs.28792	R68924	17.17	1.91	8.99	7.00	0.00			LID not found	Other	
1360	214658	Hs.33565	H74032	142.25	2.33	60.66	9.00	6.00	1		Pool	Uterus	
1361	292515	Hs.21293	N68465	195.52	7.14	27.40	17.00	2.00		584.95	Asipose	Bone	
1400	242010	Hs.167523	H83819	27.74	1.77	15.65	14.00	0.00			Placenta	LID not found	Other
1404	137787	Hs.203316	R68245	72.54	3.16	22.97	9.00	6.00			Brain	Pool	LID not found
1454	292542	Hs.92571	N81317	34.54	2.28	15.18	13.00	0.00	18	370.09	Heart	Pool	LID not found
1486	343737	Hs.62848	N69318	38.55	0.10	365.51	9.00	6.00			Synovial men Brain	Pool	Eye
1481	429466	Hs.6139	AA007692	18.00	2.81	6.90	5.00	0.00			Synovial men Brain	Pool	Uterus
1498	176341	Hs.77310	R08438	14.01	0.37	37.85	9.00	6.00	3	437.82	Smooth musc Gall bladder	Uterus	
1503	809603	Hs.182371	AA458483	276.70	0.36	763.09	9.00	6.00	13	238.18	Peripheral ner Thymus	Thyroid	
1510	293510	Hs.205260	N68574	40.34	4.05	9.98	5.00	5.00	17	415.26	Pool	Brain	LID not found
1542	806578	Hs.76194	AA458616	990.04	109.49	9.04	6.00	0.00	19	291.03	Lymph node	Synovial men Spleen	
1578	123400	Hs.91142	T99539	19.26	0.40	48.57	9.00	6.00	19	35.68	Smooth musc Tonsil	Blood	
1580	51328	Hs.75932	H20743	69.84	0.12	582.57	9.00	6.00	X	353.25	Stomach	Pool	Uterus
1604	25499	Hs.73818	R11698	23.42	0.55	42.59	8.00	6.00	3	444.88	Larynx	Germ Cell	Parathyroid
1604	754538	Hs.118724	AA406265	133.01	17.25	7.71	5.00	0.00	11	247.42	Esophagus	Lymph	Ovary
1633	43198	Hs.198479	H12903	13.82	1.19	11.65	5.00	0.00	4	422.57	Thymus	Lymph	Whole embryo
1634	839623	Hs.69935	AA504662	103.66	6.54	12.14	15.00	1.00	1	371.2	Muscle	Cervix	Nose
1644	782760	Hs.154654	AA48157	106.47	2.49	42.81	13.00	5.00	2	118.93	Smooth musc Fore skin	Ear	
1646	897982	Hs.4835	AA598863	34.56	0.85	40.59	9.00	6.00	19	298.13	Tonsil	Blood	Lymph
1658	824340	Hs.1583	AA489666	13.29	0.05	263.36	9.00	6.00	11	247.42	Esophagus	Lymph	Ovary
1653	744538	Hs.118724	AA421977	140.04	15.92	8.79	9.00	0.00	15	189.49	Stomach	Synovial men Skin	Whole embryo
1664	297392	Hs.94360	N80129	392.06	7.54	51.98	7.00	3.00	15	218.83	Thyroid	Thymus	Germ Cell
1666	774751	Hs.1565	AA442095	20.34	1.81	11.23	7.00	0.00	15	218.83	Thyroid	Thymus	Germ Cell
1669	668851	Hs.56023	AA262988	31.43	4.39	7.16	6.00	0.00	X	356.29	Nose	Bone	Germ Cell
1673	33826	Hs.3446	R19938	103.74	8.16	12.72	6.00	0.00	6	528.46	Bone	Ear	Umbilical cord
1678	950690	Hs.85137	AA605568	54.07	3.20	16.87	7.00	0.00	X	219.65	Breast	Pool	Whole embryo
1685	144766	Hs.821	R77226	12.47	0.19	85.77	9.00	6.00	X	245.06	Brain	LID not found	Other
1716	898092	Hs.75511	AA598794	177.33	13.39	13.24	7.00	1.00	12	83.4	Breast	LID not found	Other
1725	132373	Hs.64025	R26526	30.34	0.99	31.02	20.00	2.00	2	130.31		Smooth musc Fore skin	
1760	205715	Hs.28402	H59381	20.63	1.94	10.64	9.00	0.00	2	218.11	Ear	LID not found	Other
1768	154789	Hs.194110	R55406	60.65	2.47	24.60	5.00	5.00	3	48.43	Pool	LID not found	Other
1778	154795	Hs.28438	R55640	12.58	2.03	8.20	6.00	0.00	13	165.48	Pool	Whole embryo	Uterus
1783	113488	Hs.184407	T79084	13.81	1.02	13.58	7.00	1.00	8	53.15	Pool	Ear	Heart
1798	204545	Hs.8968	H58644	120.73	5.90	20.45	13.00	2.00	17	404.02	Pool	Prostate	Pancreas
1849	276834	Hs.35372	R94840	32.66	2.47	13.23	14.00	0.00	1	586.98	Adrenal gland Fore skin	Prostate	
1877	202802	Hs.192990	H59520	28.85	0.83	45.78	7.00	1.00	18	81.14	Cervix	Nose	Uterus
1887	199239	Hs.35457	R95823	36.85	3.08	11.97	5.00	0.00	X	286.38	Ear	Cervix	Pool
1900	148600	Hs.71119	H13424	87.84	8.51	10.32	6.00	0.00	7	547.86	Peripheral ner Small intestine	Thymus	
1904	322961	Hs.75368	W45165	43.52	4.13	10.65	7.00	0.00	17	405.47	Bone marrow Gall bladder	Thymus	
1939	120681	Hs.107325	T98083	127.34	3.88	18.72	15.00	4.00	X	147.27	Head and nec Bone	Ovary	
1940	285788	Hs.80081	N68942	55.27	3.33	16.60	7.00	0.00	2	408.02	Synovial men CNS	Pool	
1943	548073	Hs.75546	AA053228	187.40	18.27	9.16	5.00	1.00	1	294.3	Umbilical cord Aorta	Blood	
1946	182775	Hs.75053	H27564	114.88	11.66	9.85	9.00	0.00	22	37.19	Cervix	Umbilical cord Gall bladder	
1950	810504	Hs.77422	AA464627	190.13	8.90	21.35	6.00	0.00	X	298.39	Skin	Umbilical cord Germ Cell	Pool
1971	325062	Hs.78452	W47073	19.67	1.55	12.71	15.00	0.00	19	87.54	Kidney	Blood	Colon
1986	589433	Hs.27076	AA146802	50.39	1.13	44.70	14.00	0.00	3	88.22	Tonsil	Ear	Ovary
2000	361839	Hs.192452	W96268	29.87	0.12	257.47	9.00	6.00	1	-3.25	Small intestine	Eye	
2025	930358	Hs.80612	AA800173	79.85	10.16	7.86	5.00	0.00					
2028	201166	Hs.21879	R86532	24.42	3.36	7.26	6.00	0.00					
2050	784126	Hs.208810	AA46748	17.93	0.77	23.43	7.00	6.00					
2061	525566	Hs.6347	AA054716	21.72	0.34	63.90	7.00	6.00					
2070	815529	Hs.79123	AA457047	30.58	0.68	44.87	9.00	6.00					
2071	840500	Hs.207015	AA487912	256.90	13.77	18.56	9.00	0.00					

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2085	511816	Hs.191435	AA008745	36.62	0.27	144.21	7.00	6.00	11	271.39	Colon	Pool	LID not found
2101	824024	Hs.73656	AA481124	74.88	0.55	136.33	7.00	6.00	6	17.79	Tonsil	Thyroid	
2113	124116	Hs.184325	R01340	41.99	4.43	9.48	6.00	1.00	X	92.32	Aorta	Eye	Foreskin
2116	132455	Hs.28396	R66626	27.88	1.92	14.54	14.00	1.00	6	223.16	Aorta	Uterus	Pleacenta
2123	341821	Hs.94749	W60745	34.22	4.68	7.31	6.00	2.00	6	102.82	Pool	LID not found	Other
2136	193533	Hs.33962	H47542	33.47	1.00	33.47	9.00	6.00	X	245.06	Kidney	LID not found	Other
2158	142397	Hs.208507	R89934	144.43	2.25	64.30	9.00	6.00	6	241.3	Ovary	Nose	Lymph
2168	295866	Hs.182014	N67006	80.55	3.82	21.08	9.00	5.00	12	105.91	Bone marrow	Smooth muscle	Spleen
2197	365098	Hs.3990	AA025195	165.37	13.70	12.07	9.00	1.00	6	137.73	Pool	Gall bladder	Breast
2204	240748	Hs.29106	H81337	32.24	2.38	13.56	12.00	0.00	6	242.09	Whole embryo	Pool	Lung
2208	180724	Hs.203678	H47863	17.13	1.48	11.59	12.00	0.00	15	For skin	LID not found	Other	Pleacenta
2214	294127	Hs.93122	N71385	133.97	2.12	63.14	9.00	6.00	7	423.73	Head and nec	Ear	Adipose
2244	503335	Hs.6166	AA130193	55.55	4.70	24.72	5.00	1.00	15	262.02	Muscle	Heart	Breast
2247	290893	Hs.200710	N72093	12.40	0.50	24.72	5.00	1.00	13	68.14	Bone	Tonsil	Stomach
2264	899719	Hs.10511	AA455497	170.09	8.27	27.12	19.00	4.00	4	557.16	CNS	Brain	CNS
2268	126428	Hs.93334	R10526	26.60	3.87	6.88	6.00	0.00	7	88.45	Pool	For skin	
2314	341328	Hs.77899	W58092	142.04	8.61	21.80	18.00	1.00	4	122.91	Peripheral nerve	For skin	Pleacenta
2340	280236	Hs.64413	AA077341	37.87	5.18	7.34	9.00	0.00	22	673.59	Bone marrow	Cervix	Neural
2354	382824	Hs.79877	N50247	16.18	0.60	26.88	8.00	5.00	4	647.83	Stomach	Bone	Muscle
2355	241826	Hs.181163	H92087	73.86	0.70	106.13	9.00	6.00	1	23.89	Umbilical cord	Adrenal gland	Bone
2370	668218	Hs.189300	AA333609	11.59	0.27	43.65	7.00	5.00	2	694.79	CNS	Uterus	Bone
2384	770462	Hs.78068	AA427724	25.98	0.55	47.23	8.00	6.00	3	457.11	CNS	Breast	Lung
2402	811729	Hs.146550	T59926	378.57	14.23	26.48	8.00	2.00	4	112.8	Umbilical cord	For skin	Pool
2408	897880	Hs.78190	AA598837	232.77	8.97	25.96	6.00	0.00	X	126.92	Small intestine	Parathyroid	Eye
2410	68103	Hs.90318	T52894	408.38	36.89	10.49	8.00	0.00	10	44.98	Muscle	Germ cell	Whole embryo
2414	843248	Hs.66708	AA486016	172.87	16.33	10.58	10.00	2.00	12	185.58	Pleacenta	Pool	LID not found
2420	898122	Hs.198200	AA558478	104.63	0.61	171.46	9.00	6.00	15	373.32	Liver	Gall bladder	Adipose
2421	201727	Hs.155024	R99749	10.81	0.10	108.13	6.00	4.00	11	48.49	For skin	Muscle	Kidney
2429	153473	Hs.62001	R48232	12.74	0.10	127.36	8.00	3.00	17	45.2	Umbilical cord	Eye	Synovial membrane
2430	789933	Hs.15154	AA448568	125.66	1.00	125.66	23.00	4.00	8	423.72	CNS	Pool	Bone
2431	825398	Hs.89878	AA504259	10.90	0.21	52.59	9.00	6.00	7	280.05	CNS	Ear	Bone
2434	740437	Hs.431	AA478036	49.69	2.51	19.83	6.00	0.00	4	496.43	Mouth	Ear	Bone
2436	65634	Hs.169766	T62048	275.03	4.99	55.35	9.00	6.00	12	318.65	Brain	Pool	LID not found
2441	149737	Hs.141142	H00592	16.73	1.00	16.73	10.00	2.00	4	683.58	Thyroid	Pool	Pleacenta
2448	85840	Hs.78659	T72235	152.31	4.27	35.66	11.00	3.00	12	457.41	Pool	LID not found	Muscle
2453	298137	Hs.101840	N71653	17.50	1.36	12.86	7.00	3.00	9	387.64	Ovary	Breast	Pool
2471	610552	Hs.7771	AA464689	75.07	0.58	129.72	9.00	6.00	10	128.92	Small intestine	Parathyroid	Eye
2474	46918	Hs.90800	H09897	86.35	1.54	56.12	14.00	0.00	17	68.81	Head and nec	Lymph	Tonsil
2483	40562	Hs.77501	R55105	33.37	4.71	7.08	7.00	0.00	4	22.25	Ear	Pool	LID not found
2512	296552	Hs.17281	W00877	155.05	1.34	118.21	14.00	0.00	4	437.34	Head and nec	Parathyroid	Smooth muscle
2552	198451	Hs.29334	R84659	31.47	3.13	10.07	7.00	6.00	2	93.95	For skin	Muscle	Eye
2559	127170	Hs.61086	R08121	117.48	2.37	49.58	23.00	5.00	12	687.82	Thyroid	Adrenal gland	Thymus
2560	167076	Hs.27786	R89700	27.22	1.75	13.60	13.00	0.00	X	421.12	Eye	Pool	Stomach
2561	110586	Hs.15111	T90201	15.24	0.44	34.93	9.00	3.00	17				
2592	214205	Hs.28149	H77797	40.15	2.28	17.59	8.00	0.00	4				
2608	115408	Hs.431	T87515	32.83	1.30	25.17	5.00	0.00	2				
2620	357373	Hs.77695	W93717	32.41	1.80	18.04	6.00	0.00	12				
2641	245239	Hs.35574	N53453	29.31	1.88	15.58	5.00	0.00	12				
2652	347702	Hs.19686	W81570	132.22	0.10	132.19	11.00	6.00	17				
2663	309664	Hs.198951	N94468	128.01	4.02	31.37	7.00	6.00	4				
2678	322617	Hs.181309	W15297	21.57	0.28	73.38	9.00	6.00	2				
2680	250753	Hs.74335	N67639	55.04	6.22	8.85	5.00	0.00	12				
2691	204148	Hs.173965	H55921	44.00	2.41	18.27	8.00	1.00	X				
2699	45542	Hs.103391	H08560	251.48	1.58	159.13	21.00	6.00	2				
2704	766246	Hs.80206	AA424537	32.75	3.49	9.37	9.00	2.00	17				
2716	810891	Hs.11689	AA435318	87.81	0.10	878.14	9.00	6.00					

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2723	449/5	Hs.76038	H08899	51.61	4.59	14.72	6.00	0.00	10	11.54 Neural	Bone	Adrenal gland
2736	127509	Hs.1691	R09089	171.84	9.53	18.01	18.00	2.00	3	232.56 Stomach	Muscle	Bone
2750	141966	Hs.36596	R68803	92.92	1.00	23.00	23.00	6.00	16	338.52 Placenta	Uterus	Pool
2757	196501	Hs.75412	R91550	10.94	0.55	19.89	9.00	6.00	3	160.44 Umbilical cord	Adipose	Germ Cell
2774	51543	Hs.79226	H20758	20.17	1.00	20.17	12.00	5.00	11	414.14 CNS	Umbilical cord	Brain
2778	35185	Hs.89768	R24969	171.35	1.22	141.03	9.00	6.00	4	246.58 Brain	UD not found	Other
2778	365755	Hs.170157	AA025850	26.62	1.00	26.62	8.00	6.00	15	163.48 Forebrain	Brain	Eye
2781	82710	Hs.85552	T73488	211.14	7.87	26.82	14.00	6.00	8	628.9 Small intestine	Liver	Pool
2795	275871	Hs.178962	R93875	134.79	0.68	199.48	9.00	6.00	12	140.7 Ear	Umbilical cord	Smooth muscle
2798	706927	Hs.28988	AA291183	42.21	4.40	9.60	9.00	1.00	5	414.87	Gall bladder	Adipose
2801	528657	Hs.155202	AA133129	162.49	20.13	8.07	5.00	0.00	1	84.65 Pancreas	Lymph	Colon
2810	841817	Hs.125078	AA487681	517.48	54.66	9.47	6.00	0.00	19	34.81 Uterum	Lymph	Larynx
2821	22731	Hs.1787	T73041	14.93	0.32	47.24	7.00	6.00	6	61.07 Umbilical cord	Gall bladder	Cervix
2822	85093	Hs.69686	T74619	38.06	0.78	47.98	9.00	5.00	12	421.94 Umbilical cord	Forebrain	Head and neck
2835	868073	Hs.74368	AA558787	21.74	0.47	46.48	9.00	6.00	2	223.28 Gall bladder	Prostate	Stomach
2855	81289	Hs.77443	T60048	231.17	7.36	31.40	13.00	1.00	12	11.08 Lymph	Adrenal gland	Whole embryo
2887	48398	Hs.153752	H14343	16.20	1.80	10.13	7.00	0.00	20	300.65 Uterus	Pool	Aorta
2888	564593	Hs.91448	AA129677	11.20	0.78	14.42	9.00	6.00	17	413.02 Cervix	Pool	Forebrain
2873	785378	Hs.13046	AA453335	151.12	14.03	10.76	9.00	0.00	12	637.06 Breast	UD not found	Other
2895	130037	Hs.155223	R20896	29.02	2.30	12.60	8.00	2.00	X	112.16 Small intestine	Spleen	Colon
2901	283398	Hs.8769	N57594	28.29	1.80	16.28	8.00	2.00	5	315.22 Breast	Pool	UD not found
2928	197637	Hs.208291	R87194	137.97	1.47	93.64	7.00	3.00	11	540.03	UD not found	Other
2940	183120	Hs.294038	H42667	41.28	3.72	11.08	12.00	0.00	6	227.76 Pool	UD not found	Other
2945	232946	Hs.159640	H75599	40.71	2.72	14.96	10.00	2.00	3	671.23	Cervix	Adipose
2960	246722	Hs.34197	R91004	24.84	1.72	14.46	14.00	5.00	1	446.98	Neural	Stomach
2965	246722	Hs.21658	N59721	381.44	4.06	93.87	22.00	5.00	16	117.06 Nose	Head and nec	Breast
2992	810272	Hs.177533	AA463926	25.95	3.27	7.53	5.00	6.00	3	191.53 Whole embryo	Tonsil	UD not found
2995	809850	Hs.6518	AA455108	41.81	0.10	418.12	9.00	6.00	13	128.62 Ear	Stomach	Aorta
3011	809587	Hs.175986	AA456611	27.81	0.53	52.30	9.00	6.00	7	422.9 Epiphyseal	Small intestine	Lymph node
3015	750332	Hs.164481	AA404276	56.84	5.47	10.39	5.00	1.00	2	204.57 Placenta	Testis	Pool
3062	247616	Hs.93765	N58145	75.04	5.09	14.75	13.00	0.00	17	289.27 Whole embryo	Germ Cell	Pool
3071	195034	Hs.191374	R88764	17.51	0.19	93.93	9.00	4.00	5	140.25 Cervix	Placenta	Forebrain
3078	230205	Hs.115907	H93459	26.89	0.10	269.88	9.00	6.00	1	557.85 Breast	Pool	Kidney
3084	548957	Hs.169921	AA115918	123.77	0.01	12376.72	14.00	1.00	10	175.43 Umbilical cord	Blood	Breast
3086	150221	Hs.144137	H06677	11.18	0.24	46.73	8.00	6.00	20	118.13 Spleen	Uterus	Placenta
3099	80146	Hs.11383	T64134	55.84	8.08	6.81	5.00	2.00	11	70.2 Testis	Germ Cell	Pool
3107	203240	Hs.81988	H4686	23.70	3.18	7.46	7.00	0.00	5	272.27 Heart	Gall bladder	Pool
3110	127641	Hs.85590	R08829	31.57	3.00	10.54	7.00	0.00	2	683.24 Lymph	Prostate	Brain
3118	340630	Hs.246	V56189	160.68	14.03	12.86	9.00	0.00	14	107.66 Ear	Pool	Blood
3138	205185	Hs.2030	H58661	40.80	1.00	40.80	6.00	3.00	3	556.8 Small intestine	Pool	Pool
3146	785178	Hs.89881	AA453368	36.62	4.11	8.80	7.00	0.00	6	606.73	Esophagus	Thymus
3160	377152	Hs.10758	AA055101	119.71	7.20	16.63	8.00	6.00	12	217.06 Whole embryo	Brain	Pool
3164	350739	Hs.21639	R25020	224.33	1.07	210.60	9.00	6.00	16	88.33 Tonsil	Lymph	Breast
3171	840404	Hs.155117	AA485531	41.68	5.56	7.49	6.00	1.00	7	546.17 Adipose	Thyroid	Bone
3190	487118	Hs.587	AA045320	45.21	4.23	10.70	11.00	3.00	9	232.77 Omentum	Thyroid	Smooth muscle
3205	560773	Hs.74294	AA101289	22.68	1.00	22.88	6.00	4.00	19	284.08 Head and nec	Thymus	Thyroid
3228	485989	Hs.157319	AA040170	137.15	2.59	52.99	23.00	6.00	4	203.00 Placenta	Testis	Brain
3229	668879	Hs.87268	AA252968	138.92	2.70	51.39	22.00	6.00	16	88.33 Tonsil	Lymph	Breast
3231	897594	Hs.75104	AA486037	41.59	0.56	71.34	9.00	6.00	7	546.17 Adipose	Thyroid	Bone
3233	24684	Hs.143434	R38955	16.56	0.84	18.93	10.00	6.00	9	232.77 Omentum	Thyroid	Smooth muscle
3244	698296	Hs.184572	AA598974	89.00	4.62	19.27	6.00	0.00	19	284.08 Head and nec	Thymus	Thyroid
3246	745321	Hs.203146	AA481397	22.67	2.73	8.30	10.00	1.00	4	203.00 Placenta	Testis	Brain
3250	824547	Hs.169746	AA490920	19.55	0.01	1955.11	14.00	0.00	16	88.33 Tonsil	Lymph	Breast
3252	841664	Hs.74034	AA487560	167.18	4.31	38.81	19.00	2.00	7	546.17 Adipose	Thyroid	Bone
3253	708718	Hs.78225	H63077	527.22	6.38	62.89	8.00	1.00	9	232.77 Omentum	Thyroid	Smooth muscle
3254	841044	Hs.4437	AA466919	215.96	2.39	99.38	6.00	6.00	19	284.08 Head and nec	Thymus	Thyroid
3266	134829	Hs.103545	R31750	16.65	0.01	1654.93	16.00	0.00	4	203.00 Placenta	Testis	Brain

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3271	195214	Hs.10917	R92577	12.55	0.33	38.18	6.00	0.00	18	390.27	Pool	LID not found	Other
3272	207098	Hs.34482	H48502	307.87	0.84	387.03	9.00	6.00	12	248.56	Pool	LID not found	Other
3290	66420	Hs.189713	R16068	48.53	5.98	8.14	6.00	0.00	4	551.74	Placenta	LID not found	Other
3312	139490	Hs.28312	R64580	155.79	2.57	80.52	14.00	0.00	4	551.74	Adipose	Esophagus	Blood
3346	151261	Hs.5143	H02336	27.17	2.25	12.06	5.00	0.00	4	873.49	Corn	Placenta	LID not found
3352	138837	Hs.179534	R62773	68.41	2.23	30.74	9.00	6.00	4	439.12	Pool	LID not found	Other
3360	138874	Hs.28367	R62888	22.11	1.41	15.68	14.00	0.00	10	117.02	Smooth muscle	Gall bladder	Pooled
3365	204098	Hs.206380	H58697	55.60	0.01	5559.80	14.00	0.00	3	481.06	Pool	LID not found	Other
3371	143769	Hs.183576	R73672	18.27	1.88	9.71	8.00	1.00	15	283.15	Pool	LID not found	Other
3393	200418	Hs.35701	R97234	23.46	1.87	10.53	14.00	0.00	2	588.82	Umbilical cord	Spleen	Lymph
3401	245386	Hs.35765	N54953	12.82	1.20	10.72	7.00	0.00	17	308.96	Brain	Uterus	Parathyroid
3413	244310	Hs.37359	N73713	11.96	1.32	9.06	8.00	0.00	21	123.1	Eye	Cervix	Ear
3436	400615	Hs.21635	AA126760	46.75	7.31	6.39	6.00	0.00	4	673.49	Forsklin	Bone	Brain
3448	323371	Hs.177466	W42849	69.67	2.77	25.22	6.00	0.00	12	68.93	Thyroid	CNS	Gall bladder
3478	45138	Hs.79141	H07991	81.22	1.70	47.65	22.00	5.00	20	213.22	Nose	Adipose	Larynx
3487	23831	Hs.155247	T77281	125.72	9.86	12.75	10.00	0.00	1	162.26	Larynx	Head and neck	Esophagus
3488	768443	Hs.790	AA495536	188.35	5.13	36.70	12.00	2.00	5	497.93	Synovial men	Ear	Uterus
3488	131362	Hs.170128	R22877	128.15	12.86	9.86	5.00	1.00	8	102.98	Thyroid	Cervix	Placenta
3528	189945	Hs.8265	R97066	44.83	2.10	21.37	10.00	1.00	6	602.7	Umbilical cord	Esophagus	Umbilical cord
3544	808938	Hs.25582	AA454610	37.36	1.00	37.36	7.00	0.00	5	501.76	Thymus	Nose	Cervix
3547	809588	Hs.78818	AA455900	66.83	3.25	20.59	7.00	0.00	3	547.84	Cervix	Gall bladder	Small intestine
3583	754358	Hs.8122	AA436142	76.01	3.65	20.83	22.00	4.00	8	138.23	Adrenal gland	Brain	Breast
3585	888086	Hs.179574	AA598795	71.21	7.71	9.23	7.00	0.00	22	86.07	Ignore	Muscle	Stomach
3587	784772	Hs.788	AA476542	74.80	2.60	28.75	13.00	0.00	1	535.67	Neural	Stomach	Breast
3573	950445	Hs.91773	AA499092	231.59	26.42	8.76	6.00	0.00	4	404.35	Eye	Thymus	Tonsil
3577	840567	Hs.3337	AA487893	369.15	36.94	10.53	6.00	0.00	2	607	Umbilical cord	Placenta	CNS
3578	45096	Hs.77854	H05140	13.33	0.60	10.34	11.00	0.00	6	540.03	Small intestine	Parathyroid	CNS
3583	817138	Hs.180705	AA431631	42.93	3.47	36.50	7.00	3.00	19	67.65	Postle	Blood	Breast
3587	785459	Hs.149098	AA48289	11.20	0.23	49.39	8.00	5.00	7	490.45	Omentum	Placenta	Umbilical cord vein
3589	609663	Hs.77430	AA181500	57.07	6.29	9.22	6.00	1.00	5	139.94	Smooth muscle	Nose	Lung
3590	840878	Hs.195136	AA482324	384.35	24.89	15.57	6.00	2.00	10	354.88	Pool	LID not found	Other
3605	897669	Hs.152282	AA498810	30.32	0.10	305.19	7.00	6.00	7	586.57	Bone	Pool	Umbilical cord
3607	840384	Hs.79285	AA485773	348.21	32.36	10.76	6.00	2.00	17	330.2	Bone	Pool	Lung
3625	711116	Hs.173279	T47454	38.89	3.77	10.34	11.00	0.00	4	425.57	Pool	Kidney	LID not found
3627	840776	Hs.159640	AA486082	126.54	3.47	36.50	7.00	3.00	10	477.19	Parathyroid	Blood	Eye
3628	824558	Hs.171955	AA490981	14.10	0.41	34.04	7.00	6.00	10	508.81	CNS	Germ Cell	Placenta
3633	726086	Hs.78045	AA399473	1272.44	8.53	194.92	22.00	6.00	6	828.8	Tastis	Forsklin	Uterus
3637	363569	Hs.189248	AA019996	40.63	0.10	406.30	7.00	6.00	3	584.72	Adipose	Kidney	CNS
3664	195358	Hs.34226	R89539	23.81	1.00	23.81	7.00	0.00	11	227.3	Retina	Cervix	Pooled
3672	195381	Hs.181857	R89999	28.51	1.00	28.51	9.00	6.00	12	299.19	Small intestine	Bone	Colon
3681	144881	Hs.7753	R78585	437.16	52.97	8.25	11.00	2.00	21	266.93	Esophagus	Aorta	Stomach
3700	244299	Hs.30151	N75715	20.92	1.00	20.92	6.00	6.00	6	13.47	Epididymis	Small intestine	Adipose
3737	825470	Hs.156346	AA504348	95.30	0.49	194.62	6.00	0.00	0	419.64	Lung	Heart	Placenta
3744	283637	Hs.34288	N94187	22.20	2.08	10.69	14.00	0.00	14	39.26	Peripheral nervous system	Placenta	Uterus
3747	237391	Hs.172700	N30706	90.87	0.10	608.69	8.00	0.00	11	424.82	Parathyroid	Placenta	Nose
3768	246184	Hs.125522	N77006	56.38	1.78	31.63	8.00	6.00	16				
3765	121727	Hs.42586	T98162	38.30	2.23	17.59	17.00	2.00					
3782	248545	Hs.94107	N59772	129.73	1.00	129.73	22.00	6.00					
3802	309583	Hs.82547	N94424	85.89	2.45	34.99	13.00	0.00					
3832	782503	Hs.12214	AA431773	31.07	4.07	7.83	8.00	0.00					
3858	509731	Hs.84072	AA045598	33.35	2.78	12.08	6.00	3.00					
3868	357031	Hs.25032	W93163	76.92	2.07	37.16	20.00	6.00					
3883	178483	Hs.198831	H46553	24.47	2.77	8.84	7.00	0.00					
3890	768370	Hs.204354	AA498546	164.45	8.49	16.38	6.00	3.00					
3914	376200	Hs.166883	AA038370	10.72	0.10	107.24	9.00	6.00					
3936	358982	Hs.78428	AA063521	170.86	5.59	25.92	13.00	0.00					
3941	240249	Hs.64797	H69564	33.85	2.04	16.59	8.00	0.00					

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3948	898035	Hs.146403	AA508050	76.84	0.43	100.02	9.00	6.00	0	31.44	Thyroid	Small intestine
3954	847785	Hs.751400	AA486313	97.95	10.21	9.59	7.00	0.00	4	28.12	Adrenal gland	Cervix
3961	134783	Hs.102756	R31701	12.88	0.95	13.59	5.00	4.00	1	264.09	Ear	Adrenal gland
3964	839101	Hs.74471	AA487623	409.63	5.25	78.01	17.00	3.00	X	171.01	Peripheral ner	Whole embryo
3968	46916	Hs.90800	H03987	10.05	0.20	49.44	15.00	1.00	8	423.72		Thyroid
3989	823775	Hs.73789	AA490256	16.86	0.68	19.24	9.00	6.00	1	339.21	Unilateral cord	Bone
3994	787202	Hs.83337	AA424629	106.34	4.43	23.99	11.00	3.00	14	192.96	Bone	Bone
4001	813254	Hs.126087	AA456378	39.32	3.10	12.69	10.00	1.00	5	387.22	Forebrain	Whole embryo
4007	840818	Hs.81008	AA486238	213.06	18.15	11.74	10.00	1.00	3	191.11	Cervix	Head and nec
4012	277015		T93282	20.58	1.25	16.47	16.00	1.00	2	599.13	Adrenal gland	Brain
4013	122159	Hs.119571	T98612	749.28	3.28	228.38	10.00	5.00	2	599.13	Ear	Stomach
4018	774471	Hs.116468	AA448231	107.31	7.14	15.02	8.00	0.00	7	528.79	Ear	Neural
4019	375365	Hs.86489	V652273	45.73	3.57	12.80	10.00	0.00	12	315.97	Smooth muscle	Adrenal gland
4022	786083	Hs.79300	AA448676	111.97	11.20	10.00	5.00	0.00	8	268.68	Ear	Lymph
4024	146577	Hs.82173	R79935	23.41	1.84	12.04	5.00	0.00	1	152.15	Ignore	Gall bladder
4038	274529	Hs.10682	R85387	17.11	0.85	18.04	8.00	0.00	1	152.15	Ear	Adipose
4053	235164	Hs.5809	H79466	14.55	0.39	37.02	9.00	6.00	11	250.4	Colon	Spleen
4068	136117	Hs.161554	R33273	29.29	4.41	6.64	5.00	0.00	13	285.93	Spleen	Germ Cell
4103	233688	Hs.84950	H78537	36.42	3.34	10.97	15.00	2.00	10	543.82	Pituitary	Whole embryo
4112	138708	Hs.159785	R63548	17.52	1.42	12.37	14.00	0.00	10	543.82	Pituitary	Bone
4120	138752	Hs.28425	R63526	18.96	1.16	14.61	14.00	0.00			Pituitary	Brain
4124	136909	Hs.24683	R39730	150.48	13.81	10.82	5.00	2.00			Pituitary	LID not found
4128	138745	Hs.28420	R63530	29.87	2.20	13.57	13.00	0.00			Pituitary	LID not found
4136	323474	Hs.74571	V64572	26.96	0.71	37.73	7.00	0.00			CNS	Brain
4137	200780	Hs.35828	R98191	12.58	1.72	7.30	5.00	0.00	14	278.5	Pool	Whole embryo
4144	782635	Hs.5558	AA447568	18.85	0.11	155.80	9.00	6.00			Bone marrow	Testis
4161	201173	Hs.177271	R99492	13.50	1.73	7.80	5.00	0.00	4	425.86	Bone marrow	Larynx
4191	783897	Hs.78428	AA446639	18.58	0.29	64.36	9.00	6.00	14	39.26	Peripheral nervous system	Esophagus
4192	1048810	Hs.76285	AA821342	22.57	0.12	181.85	9.00	6.00	14	615.85	Unilateral cord	Uterus
4204	341680	Hs.102267	V60414	120.61	2.00	61.92	23.00	5.00	5	490.97	Pool	Thymus
4209	206882	Hs.35892	R98905	19.32	2.04	9.48	13.00	0.00	8	78.97	Pool	Forebrain
4230	234736	Hs.50924	H77652	80.97	1.00	90.97	15.00	5.00			Smooth muscle	LID not found
4250	589115	Hs.83168	AA143201	224.97	1.08	208.10	23.00	4.00	11	351.63	Unilateral cord	Pool
4278	180864	Hs.151250	R87840	10.73	0.09	116.15	8.00	6.00	19	67.12	Brain	Esophagus
4283	301122	Hs.81071	N79484	35.56	2.75	12.93	11.00	3.00	1	540.39	Pool	LID not found
4286	756372	Hs.37682	AA481944	182.27	3.35	48.47	8.00	6.00	1	675.52	Adrenal gland	Pancreas
4308	289154	Hs.62187	V65408	23.50	1.84	12.13	8.00	0.00	7	675.52	Adrenal gland	Adipose
4327	789012	Hs.186862	AA452881	44.84	0.27	165.25	22.00	5.00	1	205.29	Ear	Parathyroid
4334	742125	Hs.65436	AA405604	16.41	1.00	16.41	6.00	1.00	3	54.58	Synovial mem	Eye
4335	139009	Hs.118162	R62612	1248.21	4.80	259.83	19.00	2.00	15	240.78	Bone	Whole embryo
4338	358468	Hs.96334	V96014	25.41	3.89	6.53	6.00	0.00	2	666.82	Bone	Ovary
4367	23073	Hs.56066	R39539	193.09	0.90	180.62	23.00	5.00	1	160.21	Smooth muscle	Umbilical cord
4368	191882	Hs.169764	H39799	34.31	1.00	34.31	20.00	4.00	4	560.82	Bone	Spleen
4375	122159	Hs.119571	T98612	508.81	4.25	164.06	13.00	5.00	2	708.21	Tonsil	Whole embryo
4393	797016	Hs.64	AA463565	21.12	0.10	211.25	9.00	6.00	2	599.13	Ear	Neural
4396	110503	Hs.169465	T82817	47.17	3.52	13.39	17.00	2.00	1	65.95	Gall bladder	Forebrain
4403	826136	Hs.61131	AA521337	14.72	0.10	147.20	9.00	6.00	11	240.08	Smooth muscle	Parathyroid
4420	139189	Hs.195877	R68706	98.86	3.90	24.87	9.00	6.00			Smooth muscle	Spleen
4424	209583	Hs.14314	H97748	20.35	1.84	11.05	6.00	6.00	11	272.02	Pool	Pool
4431	137456	Hs.23352	R39300	28.22	2.26	12.46	18.00	3.00	19	250.6	Pool	LID not found
4438	295985	Hs.180059	N67038	37.21	2.23	25.61	14.00	0.00	12	448.49	Pituitary	Adrenal gland
4464	195052	Hs.34371	R91176	31.62	2.11	15.01	14.00	0.00	7	487.91	Thyroid	Pool
4468	470348	Hs.31841	AA029381	53.50	1.86	28.82	14.00	0.00			Pool	Whole embryo
4472	195127	Hs.159467	R91220	12.96	0.10	129.60	18.00	6.00	5	652.21	Pituitary	Lung
4480	185091	Hs.34384	R91244	22.28	2.24	9.84	6.00	0.00			Pool	LID not found
4482	246306	Hs.32171	N78103	19.14	1.00	19.14	9.00	6.00	3	684.2	Ear	Other
4496	195139	Hs.34399	R91271	26.88	1.28	20.68	14.00	0.00	9	404.02	Pool	Pool

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5060	809892	Hs.74618	A4455183	381.62	45.96	8.30	7.00	0.00	1	747.59	Adipose	Pancreas	Umbilical cord
5074	813623	Hs.79914	A4453712	125.98	2.46	51.28	13.00	5.00	12	352.89	Bone	Stomach	Ear
5091	711818	Hs.79033	A4482134	34.15	2.25	15.17	14.00	0.00	2	126.28	Tonsil	Colon	Foreskin
5093	67654	Hs.19787	T49539	33.32	1.00	33.32	6.00	5.00	22	133.8	Epididymis	Ignore	Thyroid
5095	204614	Hs.159554	H5818	167.73	2.70	62.05	9.00	0.00	17	54.82	Lymph	Pancreas	Placenta
5101	65978	Hs.75578	T73187	37.22	1.67	22.32	15.00	2.00	22	93.84	Liver	Gall bladder	Pool
5104	205745	Hs.10729	H58119	107.62	14.04	7.66	5.00	0.00	22	59.8	Esophagus	Head and nec	Synovial membrane
5107	897971	Hs.3058	A4589868	213.05	20.79	10.25	8.00	0.00	11	427.31	Lymph node	Gall bladder	Head and neck
5109	70982	Hs.75716	T49159	186.70	9.80	19.06	10.00	0.00	16	59.8	Lymph node	Placenta	Foreskin
5133	77915	Hs.76422	T61323	18.29	2.55	7.18	5.00	0.00	11	182.70	Adipose	Prostate	Prostate
5135	789147	Hs.196837	A4450189	113.01	3.83	29.50	8.00	3.00	3	171.89	Marrow	Adipose	Synovial membrane
5157	37271	Hs.84753	R42815	95.29	9.62	9.41	8.00	0.00	1	171.89	Smooth muscle	Adipose	Synovial membrane
5157	843174	Hs.1869	A4488504	100.11	15.62	6.41	8.00	0.00	14	54.58	Bone	Adipose	Synovial membrane
5163	753361	Hs.80362	A4405332	116.00	5.70	20.36	15.00	0.00	5	524.49	Bone	Ear	Breast
5167	803944	Hs.738	A4485628	195.72	20.09	9.74	5.00	3.00	10	417.77	Breast	Colon	Heart
5220	209167	Hs.32381	H83668	28.20	2.59	10.90	14.00	0.00	10	417.77	Pool	LID not found	Other
5232	203772	Hs.34498	H56098	53.03	0.62	85.16	8.00	6.00	10	417.77	Pool	Stomach	Stomach
5252	191508	Hs.20138	H37846	28.55	1.56	18.25	5.00	5.00	10	417.77	Pool	LID not found	Other
5253	201739	Hs.173739	R09035	70.72	2.58	27.38	20.00	2.00	10	417.77	Pool	LID not found	Other
5268	191569	Hs.32688	H37806	140.00	2.09	57.12	11.00	5.00	10	417.77	Pool	LID not found	Other
5272	195820	Hs.34558	R92285	46.14	1.12	41.38	14.00	0.00	10	417.77	Pool	LID not found	Other
5275	129822	Hs.96269	R19183	85.35	5.47	15.60	5.00	0.00	10	417.77	Pool	LID not found	Other
5283	135800	Hs.118087	R33103	61.13	5.07	10.09	8.00	0.00	10	417.77	Pool	LID not found	Other
5286	811010	Hs.107159	A4485365	34.51	0.29	117.99	9.00	6.00	10	417.77	Pool	LID not found	Other
5326	131016	Hs.95388	R23287	85.16	3.38	25.22	15.00	0.00	10	417.77	Pool	LID not found	Other
5331	488303	Hs.153684	A085749	35.25	4.55	7.74	7.00	0.00	10	417.77	Pool	LID not found	Other
5334	563701	Hs.96685	A4121778	168.27	0.36	468.65	14.00	0.00	10	417.77	Pool	LID not found	Other
5364	785256	Hs.77788	A4453994	26.83	2.21	12.15	6.00	0.00	10	417.77	Pool	LID not found	Other
5396	48987	Hs.30954	H09814	14.47	1.00	14.47	7.00	4.00	10	417.77	Pool	LID not found	Other
5398	810017	Hs.179657	A445222	90.15	5.00	18.05	17.00	2.00	10	417.77	Pool	LID not found	Other
5414	244307	Hs.82085	N75719	17.51	0.12	140.33	17.00	4.00	10	417.77	Pool	LID not found	Other
5427	726779	Hs.21223	A3395519	21.66	1.92	11.27	7.00	4.00	10	417.77	Pool	LID not found	Other
6430	839881	Hs.2706	A4455197	32.19	0.83	51.13	8.00	3.00	10	417.77	Pool	LID not found	Other
6448	23185	Hs.204133	T77595	436.17	23.43	19.82	20.00	3.00	10	417.77	Pool	LID not found	Other
5456	130623	Hs.120980	H02158	15.68	0.10	156.78	9.00	6.00	10	417.77	Pool	LID not found	Other
5481	241348	Hs.138604	H91756	22.31	2.17	10.28	6.00	0.00	10	417.77	Pool	LID not found	Other
5487	71101	Hs.82353	T47442	57.19	1.74	32.79	23.00	3.00	10	417.77	Pool	LID not found	Other
5493	26617	Hs.10247	R13558	55.08	1.38	39.95	6.00	0.00	10	417.77	Pool	LID not found	Other
5498	714453	Hs.75545	A4282025	92.21	6.11	15.09	9.00	2.00	10	417.77	Pool	LID not found	Other
5499	48054	Hs.198658	H08933	25.89	0.85	30.47	6.00	0.00	10	417.77	Pool	LID not found	Other
5501	628357	Hs.1216	A4196000	42.32	1.97	21.52	12.00	0.00	10	417.77	Pool	LID not found	Other
5502	759873	Hs.155545	A4423944	55.48	3.14	17.85	18.00	3.00	10	417.77	Pool	LID not found	Other
5506	320903	Hs.172688	V04701	546.60	67.49	8.10	6.00	0.00	10	417.77	Pool	LID not found	Other
5507	72778	Hs.8216	T50828	306.30	25.07	12.22	14.00	1.00	10	417.77	Pool	LID not found	Other
5515	877609	Hs.197540	A4598426	311.79	19.18	16.25	15.00	1.00	10	417.77	Pool	LID not found	Other
5521	646189	Hs.182183	A4070053	67.80	1.00	87.85	9.00	6.00	10	417.77	Pool	LID not found	Other
5545	251685	Hs.73929	H66738	185.28	1.67	110.87	20.00	6.00	10	417.77	Pool	LID not found	Other
5546	740478	Hs.80645	AA478043	15.32	0.74	20.63	8.00	6.00	10	417.77	Pool	LID not found	Other
5556	713145	Hs.168610	AA282806	138.36	1.00	138.36	20.00	2.00	10	417.77	Pool	LID not found	Other
5569	206907	Hs.112844	R36695	13.56	0.10	135.57	9.00	6.00	10	417.77	Pool	LID not found	Other
5576	140000	Hs.28478	R64055	19.03	0.80	23.74	14.00	0.00	10	417.77	Pool	LID not found	Other
6633	122178	Hs.166919	T86015	11.93	0.36	31.82	7.00	6.00	10	417.77	Pool	LID not found	Other
6640	139268	Hs.28621	R69492	15.45	1.96	8.38	10.00	0.00	10	417.77	Pool	LID not found	Other
6644	136801	Hs.25087	R36181	85.42	0.28	303.03	9.00	6.00	10	417.77	Pool	LID not found	Other
5649	246620	Hs.8215	N53133	788.28	32.80	23.97	10.00	0.00	10	417.77	Pool	LID not found	Other
5656	140103	Hs.28645	R55893	18.59	1.75	10.80	10.00	0.00	10	417.77	Pool	LID not found	Other
5687	126225	Hs.114636	R05311	65.89	8.58	7.58	5.00	0.00	10	417.77	Pool	LID not found	Other

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5686	487117	Hs.109439	AA045327	19.16	0.69	27.89	16.00	4.00	9	304.06	Aorta	Ear	Smooth muscle
5697	201229	Hs.176817	R93380	10.11	0.58	17.52	6.00	0.00	15	220.59	Pool	LID not found	Other
5711	246377	Hs.188008	R62617	74.05	2.48	29.88	21.00	0.00	5	416.27	Pool	LID not found	Other
5727	135713	Hs.199446	R32428	86.25	1.56	61.80	23.00	6.00	15	165.59	Placenta	Pool	Aorta
5730	296568	Hs.50382	W00794	85.99	3.45	25.24	11.00	3.00	19	103.95	Pancreas	Pool	Parathyroid
5740	805508	Hs.20218	AA454554	10.22	0.52	19.54	9.00	6.00	18	390.76	Spleen	Pool	Pooled
5756	491113	Hs.15029	AA136983	83.53	3.33	25.12	18.00	6.00	17	54.82	Lymph	Pancreas	Placenta
5779	204614	Hs.159554	H56916	179.18	2.00	89.52	8.00	0.00	17	247.28	Marrow	Smooth muscle	Adipose
5780	241880	Hs.155986	H93249	41.51	2.48	16.79	10.00	0.00	14	278.45	Pooled	CNS	Pancreas
5788	289668	Hs.104119	N77779	43.57	0.43	102.03	9.00	6.00	14	527.76	Blood	Brain	Heart
5800	665774	Hs.193308	AA193354	98.62	7.44	13.26	6.00	0.00	7	468.75	Bone marrow	Adipose	Umbilical cord
5806	34888	Hs.158353	R19878	11.16	0.43	75.73	11.00	5.00	6	71.09	Whole embryo	Pool	Kidney
5810	32609	Hs.19672	R43734	122.61	1.00	122.61	12.00	5.00	19	51.84	Brain	Forebrain	Bone
5824	46509	Hs.150122	H15634	13.41	0.27	49.48	7.00	1.00	4	428.92	Germ Cell	Pancreas	Lymph
5830	142122	Hs.80306	R69355	42.67	1.00	42.67	6.00	5.00	7	631	Esophagus	Synovial mem.	Brain
5834	179500	Hs.35586	H51404	11.41	0.88	19.58	14.00	2.00	22	77.53	Ear	Muscle	Brain
5846	810331	Hs.17286	AA464152	190.59	8.85	22.97	14.00	2.00	1	311.24	Small intestine	Thyroid	Ear
5852	41591	Hs.19085	R59212	24.60	1.28	19.15	18.00	2.00	2	51.16	Synovial mem	Thyroid	Larynx
5854	210887	Hs.118272	H65676	82.51	0.69	90.34	14.00	0.00	13	38.94	Larynx	Pooled	Forebrain
5859	687893	Hs.82101	AA254398	38.68	2.73	14.18	14.00	2.00	12	545.1	Synovial mem	Thyroid	Blood
5864	209246	Hs.6387	H63708	175.85	14.85	11.84	6.00	0.00	2	277.15	Blood	Forebrain	Whole embryo
5903	725503	Hs.180015	AA292965	24.26	1.00	24.26	9.00	6.00	6	120.92	Esophagus	Forebrain	LID not found
5918	644651	Hs.154762	AA251800	124.55	9.80	12.71	16.00	2.00	11	277.15	Blood	Forebrain	Colon
5925	897619	Hs.21595	AA496663	11.97	0.84	14.27	7.00	6.00	4	277.15	Blood	Forebrain	Colon
5963	195053	Hs.34569	R92310	13.96	0.99	14.12	6.00	0.00	2	277.15	Blood	Forebrain	Colon
5969	325160	Hs.169330	V48780	151.48	3.30	45.89	20.00	4.00	2	277.15	Blood	Forebrain	Colon
5984	196125	Hs.34574	R92347	24.08	2.53	9.62	5.00	2.00	11	277.15	Blood	Forebrain	Colon
6008	199350	Hs.164387	R92345	119.58	2.81	41.05	9.00	6.00	4	277.15	Blood	Forebrain	Colon
6025	358333	Hs.109805	V85982	43.11	5.08	8.48	10.00	0.00	4	277.15	Blood	Forebrain	Colon
6028	194401	Hs.204828	R83017	104.75	1.88	55.58	9.00	6.00	2	277.15	Blood	Forebrain	Colon
6033	293683	Hs.185756	N94181	55.73	2.75	20.26	6.00	4.00	2	277.15	Blood	Forebrain	Colon
6048	280122	Hs.171739	N49231	59.47	1.91	31.11	14.00	0.00	2	277.15	Blood	Forebrain	Colon
6078	161888	Hs.141100	H26846	60.64	1.78	34.16	7.00	6.00	2	277.15	Blood	Forebrain	Colon
6086	470846	Hs.184736	AA031770	77.49	6.51	9.10	6.00	0.00	X	277.15	Blood	Forebrain	Colon
6135	308497	Hs.111477	N95780	51.15	4.08	12.54	9.00	3.00	X	277.15	Blood	Forebrain	Colon
6146	504555	Hs.21566	AA150093	12.88	0.01	1297.76	5.00	0.00	2	277.15	Blood	Forebrain	Colon
6148	266161	Hs.39001	N21582	11.29	0.10	112.83	9.00	6.00	2	277.15	Blood	Forebrain	Colon
6178	303139	Hs.13528	N90806	31.38	0.99	31.84	11.00	5.00	2	277.15	Blood	Forebrain	Colon
6180	428936	Hs.15917	AA004862	47.66	0.01	4766.22	14.00	0.00	11	277.15	Blood	Forebrain	Colon
6215	291712	Hs.27172	N67839	24.87	0.55	45.22	9.00	5.00	4	277.15	Blood	Forebrain	Colon
6222	502165	Hs.206507	AA126862	26.22	0.01	2621.78	12.00	2.00	4	277.15	Blood	Forebrain	Colon
6230	353795	Hs.16026	AA011136	13.21	2.00	6.62	5.00	0.00	1	277.15	Blood	Forebrain	Colon
6244	229656	Hs.24212	W74533	65.68	5.89	11.14	9.00	5.00	2	277.15	Blood	Forebrain	Colon
6250	802374	Hs.203245	H68542	23.67	0.39	61.41	8.00	5.00	4	277.15	Blood	Forebrain	Colon
6278	223028	Hs.49500	AA456569	99.16	4.04	21.37	11.00	3.00	15	277.15	Blood	Forebrain	Colon
6286	324437	Hs.789	W46500	34.49	3.80	9.07	7.00	0.00	4	277.15	Blood	Forebrain	Colon
6304	590148	Hs.78743	AA156030	170.76	1.29	132.43	22.00	3.00	5	277.15	Blood	Forebrain	Colon
6330	491435	Hs.179758	AA150435	13.06	0.21	62.35	9.00	6.00	2	277.15	Blood	Forebrain	Colon
6335	324383	Hs.56066	W51760	17.86	0.91	19.56	5.00	3.00	2	277.15	Blood	Forebrain	Colon
6343	51383	Hs.79015	H23979	27.48	1.65	16.70	20.00	1.00	4	277.15	Blood	Forebrain	Colon
6345	482335	Hs.180946	AA027277	326.98	0.57	575.24	20.00	6.00	3	277.15	Blood	Forebrain	Colon
6367	245990	Hs.110440	N55459	25.85	1.66	15.51	10.00	0.00	1	277.15	Blood	Forebrain	Colon
6368	85614	Hs.11000	T62031	745.41	10.61	70.26	7.00	3.00	16	277.15	Blood	Forebrain	Colon
6441	32651	Hs.17054	R43541	47.14	0.84	58.44	9.00	6.00	8	277.15	Blood	Forebrain	Colon
6448	41432	Hs.22907	R59916	21.24	1.18	18.04	10.00	0.00	11	277.15	Blood	Forebrain	Colon
6473	50842	Hs.23054	H17550	30.99	0.51	60.44	20.00	6.00	2	277.15	Blood	Forebrain	Colon



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6500	309494	11s.55041	N94300	31.75	1.00	31.75	8.00	2.00	12	221.51	Umbilical cord	Bone	Ovary
6519	897561	Hs.168182	AA497028	23.12	0.90	25.69	9.00	4.00	22	130.48	Adipose	Tonsil	Kidney
6531	377051	Hs.308077	AA057620	41.35	0.57	72.91	9.00	8.00	11	317.38	Neural	Foreskin	Blood
6546	416951	Hs.155160	W07714	35.88	3.60	9.90	8.00	3.00	11	221.61	Breast	Foreskin	Tonsil
6578	487151	Hs.62264	AA043790	33.80	2.28	14.94	5.00	0.00	17	337.32	Ovary	CNS	Heart
6628	487371	Hs.208738	AA455478	17.72	0.01	1772.21	14.00	0.00	8	476.7	Gall bladder	Bone	Muscle
6639	375716	Hs.81661	AA046700	12.41	0.59	21.21	5.00	8.00	10	480.38	Peripheral nec	Adipose	Bone
6642	293339	Hs.10491	AA033743	38.77	2.35	16.47	18.00	2.00	22	107.16	Omentum	Muscle	Heart
6643	428721	Hs.93005	N64741	20.65	1.00	20.65	8.00	2.00	11	36.64	Cervix	Ear	Heart
6658	447509	Hs.148493	AA004638	119.65	1.00	119.65	10.00	8.00	3	264.7	Placenta	Aorta	Lymph
6672	72395	Hs.72930	AA702254	190.52	11.59	16.43	10.00	0.00	8	35.43	Head and nec	Lymph	Bone
6680	611443	Hs.159533	T51539	11.59	1.00	11.59	7.00	5.00	17	308.68	Ignore	Adrenal gland	Heart
6682	392569	Hs.118836	AA176581	11.88	0.38	30.82	9.00	0.00	18	253.9	Pooled	Heart	-
6697	487082	Hs.93266	AA016225	23.88	0.10	232.42	9.00	0.00	11	367.58	Brain	CNS	-
6700	856489	Hs.58636	AA045278	78.39	6.80	11.54	6.00	1.00	11	121.02	Small intestine	Thymus	Breast
6703	137984	Hs.2934	AA633549	13.41	1.00	13.41	6.00	1.00	20	11.02	Esophagus	Skin	Cervix
6742	868882	Hs.30343	R63085	16.50	1.00	16.50	9.00	3.00	8	377.78	Head and nec	Gall bladder	Eye
6745	470279	Hs.48876	AA679352	75.52	0.55	137.31	8.00	6.00	14	156.12	Peripheral nec	Thymus	Blood
6746	435006	Hs.31622	AA028905	25.82	3.03	8.56	7.00	0.00	6	143.7	Ignore	Small intestine	Skin
6747	743190	Hs.3416	AA700054	95.70	7.82	12.72	8.00	3.00	1	102.83	Cervix	Thyroid	Thyroid
6750	39722	Hs.58044	AA401429	41.47	2.87	16.54	9.00	0.00	11	114.29	Uterus	Muscle	Whole embryo
6751	51844	Hs.99987	R54492	27.21	0.11	254.38	9.00	0.00	7	472.86	Ignore	Lymph node	Tonsil
6756	864894	Hs.6136	H20370	20.54	0.01	2054.22	12.00	0.00	1	111.21	Pancreas	Heart	LID not found
6758	864867	Hs.164242	AA669443	211.85	1.67	128.89	9.00	0.00	14	175.55	CNS	Parathyroid	Forebrain
6817	841314	Hs.169531	AA133377	63.17	2.50	20.57	7.00	8.00	3	525.98	Small intestine	Gall bladder	Bone
6821	41998	Hs.186882	AA467218	12.77	0.44	29.10	7.00	5.00	19	50.78	Tonsil	Eye	Breast
6851	510780	Hs.90081	R59221	14.09	0.01	1115.20	11.00	6.00	1	51.33	Synovial mem	Liver	Adipose
6857	23275	Hs.108631	AA102553	68.78	9.03	7.40	5.00	0.00	13	135.33	CNS	Head and nec	Forebrain
7016	503338	Hs.75892	R39273	60.50	6.92	8.75	5.00	0.00	5	283.38	Aorta	Thyroid	Aorta
7018	810224	Hs.1145	AA130187	31.10	1.17	26.65	6.00	2.00	X	245.52	Umbilical cord	Small intestine	Adrenal gland
7059	325015	Hs.72157	AA464691	49.43	2.49	19.86	5.00	5.00	20	270.91	Adipose	Uterus	Colon
7070	483681	Hs.5671	W48838	20.32	0.11	188.19	9.00	6.00	16	423.94	Brain	LID not found	Other
7093	347613	Hs.194335	AA121504	13.14	0.55	23.90	7.00	5.00	10	165.42	Neck	Whole embryo	Cervix
7109	282884	Hs.58762	W81604	12.41	0.01	1241.31	13.00	0.00	21	149.7	Pooled	Kidney	Brain
7170	263013	Hs.92426	H5733	12.49	0.01	1248.93	14.00	0.00	X	245.06	Peripheral nec	Bone	Thymus
7185	204686	Hs.160318	H57136	15.73	7.23	36.33	17.00	4.00	X	245.06	Peripheral nec	Bone	Kidney
7198	223128	Hs.110298	H59862	85.54	0.08	1243.01	9.00	6.00	2	148.6	Stomach	Thyroid	Aorta
7204	594630	Hs.17144	AA171606	211.74	17.49	12.10	6.00	4.00	15	20.38	Brain	LID not found	Other
7207	591053	Hs.18842	AA161097	12.20	0.17	72.03	9.00	5.00	10	165.42	Neck	Whole embryo	Cervix
7217	50914	Hs.23406	H18105	17.52	0.01	1751.75	14.00	0.00	21	149.7	Pooled	Kidney	Brain
7228	862510	Hs.181043	AA676460	364.77	25.61	14.25	5.00	0.00	X	245.06	Peripheral nec	Bone	Thymus
7254	324122	Hs.41716	W48577	70.03	2.58	27.16	16.00	4.00	2	148.6	Stomach	Thyroid	Aorta
7256	66805	Hs.118206	T53286	899.44	18.43	37.84	6.00	4.00	20	270.91	Adipose	Uterus	Colon
7274	849939	Hs.78771	AA593187	887.90	84.21	15.39	7.00	0.00	16	423.94	Brain	LID not found	Other
7327	502654	Hs.35851	AA127069	43.44	2.26	19.16	11.00	1.00	15	20.38	Brain	LID not found	Other
7330	502155	Hs.198001	AA126676	28.52	1.80	15.86	5.00	4.00	10	165.42	Neck	Whole embryo	Cervix
7336	234121	Hs.194181	H70603	24.14	1.41	17.12	6.00	6.00	21	149.7	Pooled	Kidney	Brain
7371	178860	Hs.31797	H45519	46.16	2.88	16.14	8.00	2.00	X	245.06	Peripheral nec	Bone	Thymus
7383	201855	Hs.205539	H48251	107.45	2.01	53.47	6.00	5.00	2	148.6	Stomach	Thyroid	Aorta
7390	762812	Hs.181315	AA448251	10.90	0.35	30.77	9.00	8.00	15	20.38	Brain	LID not found	Other
7401	418262	Hs.119571	W90740	126.24	1.82	78.16	21.00	5.00	10	165.42	Neck	Whole embryo	Cervix
7423	245277	Hs.17109	N34167	62.58	1.00	62.58	21.00	6.00	21	149.7	Pooled	Kidney	Brain
7434	358285	Hs.93764	AA016234	36.46	1.76	20.83	21.00	2.00	X	245.06	Peripheral nec	Bone	Thymus

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7436	845477	Hs.106384	AA844211	59.19	1.00	59.19	22.00	8.00	1	639.73	Umbilical cord	Bone
7442	193367	Hs.21655	R95691	341.19	1.64	208.40	22.00	5.00	14	123.72	Small intestine	and nec Esophagus
7460	655910	Hs.621	AA030328	43.72	1.00	43.72	9.00	6.00	1	592.98	Neural	Bone
7462	23355	Hs.13251	T89094	342.67	0.59	576.63	23.00	6.00	1	32.49	Eye	Skin
7463	510381	Hs.75526	AA055585	37.95	1.63	23.28	6.00	4.00	10	481.87	Brain	LID not found
7503	318205	Hs.6498	R41754	12.58	0.01	1258.29	10.00	1.00	12	127.67	Eye	Germ Cell
7505	51221	Hs.106635	H19246	12.37	0.21	59.55	14.00	4.00	22	248.27	Brain	LID not found
7515	254010	Hs.61541	R22140	19.27	2.73	7.06	5.00	0.00	11	116.42	Adrenal gland	Lymph
7520	52892	Hs.106554	R13443	10.72	0.19	56.17	8.00	4.00	8	12.22	Head and nec	Pancreas
7523	773479	Hs.179861	AA427899	303.30	4.19	72.32	10.00	0.00	22	317.13	Synovial mem	Skin
7529	897107	Hs.111024	AA676877	41.94	1.00	41.94	9.00	6.00	17	541.9	Pooled	Parathyroid
7545	856902	Hs.157230	AA069603	55.25	0.55	100.45	9.00	6.00	8	217.06	Whole embryo	Ovary
7546	856980	Hs.208767	AA830320	18.69	0.24	78.43	9.00	6.00	12	Brain	Testis	Lung
7550	343987	Hs.44926	V070234	56.05	2.56	21.89	14.00	5.00	2	Forskun	Germ Cell	Uterus
7552	51276	Hs.143434	R13315	26.25	0.49	54.06	9.00	0.00	6	Ear	Testis	Brain
7554	41648	Hs.25954	R52796	18.22	1.00	18.22	11.00	5.00	2	823.15	Adrenal gland	Colon
7565	291057	Hs.4854	N72115	19.64	2.19	8.98	5.00	0.00	2	356.03	Ovary	Blood
7568	487330	Hs.3830	AA045518	26.74	1.85	14.44	5.00	0.00	15	145.57	Forskun	Gall bladder
7569	72441	Hs.61086	T51617	14.17	0.14	99.27	9.00	6.00	12	226.22	Head and nec	Skin
7591	377048	Hs.109805	AA057798	121.75	8.88	20.38	9.00	5.00	12	741.81	Prostate	Brain
7603	279085	Hs.159829	N51705	48.41	2.28	8.37	6.00	0.00	2	231.53	Pooled	Uterus
7604	291185	Hs.7037	N67702	53.91	6.44	27.43	18.00	1.00	2	224.29	Cervix	Bone
7632	641415	Hs.10700	AA407557	354.36	12.92	27.43	18.00	1.00	9	525.98	Small intestine	Gat bladder
7680	40178	Hs.153489	R33578	35.89	4.20	8.54	12.00	0.00	15	85.19	Stomach	Bone
7686	505274	Hs.24557	AA142680	40.49	5.72	7.08	5.00	1.00	5	512.88	Head and nec	Synovial mem
7728	283853	Hs.42927	N20989	27.71	1.52	18.26	7.00	1.00	5	357.22	Cervix	Whole embryo
7736	273075	Hs.107854	N38421	22.11	0.15	145.43	5.00	0.00	5	-3.15	Cervix	Tonsil
7743	490995	Hs.196100	AA136707	141.39	5.13	27.58	13.00	3.00	8	42.54	Adipose	Bone
7777	415564	Hs.4098	V00715	23.28	0.68	35.23	7.00	1.00	18	276.4	Brain	Germ Cell
7781	324690	Hs.40098	V00735	119.95	0.95	128.25	23.00	6.00	13	155.58	Adrenal gland	Eye
7856	868212	Hs.18787	AA633901	469.88	1.00	469.88	9.00	6.00	3	357.92	Aorta	Uterus
7862	770860	Hs.184110	AA434388	280.85	0.17	1637.06	9.00	6.00	8	468.43	Small intestine	Smooth musc
7866	856427	Hs.5566	AA630784	47.33	1.00	47.33	9.00	6.00	4	72.01	Bone	Blood
7894	869233	Hs.8700	AA679864	55.00	1.00	55.00	9.00	2.00	7	510.06	Brain	Testis
7911	50704	Hs.22773	H17413	12.33	0.01	1233.48	6.00	0.00	5	353.65	Eye	Muscle
7914	852829	Hs.3886	AA568178	13.13	0.39	33.82	9.00	6.00	11	20.5	Ovary	CNS
7921	344139	Hs.15432	V059760	59.10	1.00	69.10	12.00	5.00	8	474.75	Pool	LID not found
7949	970613	Hs.61848	AA683102	25.46	0.55	46.28	9.00	6.00	6	162.78	CNS	Pancreas
7978	971372	Hs.3281	AA683041	40.89	1.64	24.92	7.00	4.00	21	217.43	Pleocilia	Ignore
8034	629896	Hs.103042	AA219045	183.42	3.21	14.00	10.00	0.00	6	524.72	Gall bladder	Cervix
8098	273046	Hs.184304	N09402	47.97	4.48	10.75	9.00	0.00	17	309.04	Small intestine	Colon
8098	811138	Hs.21346	AA485730	21.28	0.35	61.27	9.00	6.00	16	373.38	Colon	Eye
8120	357278	Hs.47343	V03592	42.79	1.00	42.79	12.00	6.00	9	121.97	Synovial mem	Cervix
8122	811038	Hs.18778	AA485424	20.92	1.00	20.92	9.00	6.00	11	238.51	Blood	Tonsil
8134	209199	Hs.142722	H03959	56.77	1.80	32.65	9.00	6.00	17	306.38	Skin	Bone
8156	782701	Hs.32244	AA447610	26.21	0.74	34.95	14.00	6.00	12	488.66	Stomach	Pooled
8164	415828	Hs.75874	V084769	87.92	0.58	157.54	23.00	6.00	17	309.04	Small intestine	Colon
8168	471642	Hs.75279	AA034939	41.85	1.98	21.09	8.00	4.00	16	373.38	Colon	Eye
8204	435470	Hs.37040	AA701502	31.03	2.59	11.99	5.00	1.00	9	121.97	Synovial mem	Cervix
8240	568795	Hs.84905	AA133489	13.32	0.13	103.22	7.00	6.00	11	238.51	Blood	Tonsil
8251	810637	Hs.203004	AA457696	12.20	0.55	22.18	7.00	3.00	17	306.38	Skin	Bone
8256	502355	Hs.154721	AA156988	50.23	6.51	7.72	7.00	0.00	12	488.66	Stomach	Pooled
8268	795729	Hs.76368	AA460291	11.31	0.55	20.57	9.00	6.00	17	306.38	Skin	Bone
8282	502622	Hs.174140	AA136054	183.44	23.17	7.02	5.00	0.00	12	488.66	Stomach	Pooled
8294	878468	Hs.84183	AA670360	16.16	0.50	36.12	9.00	6.00	17	306.38	Skin	Bone
8303	47432	Hs.13431	H11052	59.78	2.35	25.48	13.00	1.00	12	488.66	Stomach	Pooled

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8315	67110	Hs.195957	T56745	14.69	0.01	1459.78	8.00	0.00	16	405.12	Eye	Breast	Stomach
8345	768603	Hs.75139	AA425908	20.17	0.16	124.05	5.00	0.00	11	38.33	Esophagus	Gall bladder	Cervix
8355	208868	Hs.82419	H87684	300.08	12.90	23.26	7.00	1.00	10	432.99	Larynx	Head and nec	Nose
8360	50806	Hs.168491	H17635	19.17	1.62	11.86	6.00	0.00	10				
8363	328567	Hs.24485	W40750	65.31	6.24	10.47	5.00	0.00	17	307.17	Heart	Head and nec	Adrenal gland Pooled
8367	344988	Hs.94831	W072509	52.61	2.38	22.06	8.00	0.00	17	192.85	Stomach	Brain	Eye
8409	76503	Hs.56340	T59256	31.17	0.07	465.57	6.00	1.00	3				
8415	626385	Hs.171637	AA188113	89.48	10.16	9.78	9.00	0.00	9	304.08	Aorta	Ear	Smooth muscle
8433	628906	Hs.109439	AA218100	51.41	0.01	5140.86	17.00	6.00	10	343.8	Pool	LID not found	Other
8440	50880	Hs.206149	H18076	40.72	4.14	9.83	5.00	0.00	10		Pool	LID not found	Other
8454	415692	Hs.125039	W84716	10.49	0.01	1049.00	5.00	0.00	11	301.37	Whole embryo	Uterus	-
8480	108915	Hs.124835	T78842	14.71	0.01	1470.86	10.00	1.00	11		Tonsil	Testis	Colon
8499	782347	Hs.25339	AA431788	39.04	2.41	18.22	7.00	2.00	3	460.63	Adipose	Stomach	Heart
8510	782794	Hs.18786	AA484182	14.21	0.77	18.53	6.00	4.00	22	93.84	Pituitary	Neural	Bone
8538	811048	Hs.105858	AA485428	10.80	0.19	55.41	9.00	0.00	4	488.82	CNS	Brain	Pooled
8552	469519	Hs.184670	AA098153	49.52	0.01	4951.61	14.00	1.00	16	442.78	Pool	Whole embryo	Brain
8553	345123	Hs.75411	W072167	55.92	1.30	42.90	18.00	2.00	3		Tonsil	Bone	Bone
8560	454083	Hs.80317	AA676986	17.83	0.32	55.54	9.00	6.00	16		CNS	Whole embryo	Brain
8569	301627	Hs.132739	T79548	28.78	4.30	6.22	6.00	1.00	3		Pool	Whole embryo	Brain
8576	754034	Hs.1166	AA478058	22.60	0.41	55.24	9.00	6.00	16		CNS	Whole embryo	Brain
8584	345553	Hs.63424	W73589	16.43	0.10	184.27	8.00	6.00	3	143.02	Pooled	Whole embryo	Lung
8586	133530	Hs.108667	R28004	14.12	0.60	23.54	8.00	6.00	19	101.7	Blood	Pooled	Parathyroid
8597	324951	Hs.40098	W48552	120.04	0.01	13220.11	23.00	6.00	16	65.19	Stomach	Bone	Forebrain
8600	894766	Hs.74837	AA825591	24.86	0.16	160.22	9.00	6.00	12	218.98	Omentum	Peripheral nec	Cervix
8605	324220	Hs.210721	AA284184	295.30	11.14	28.60	5.00	1.00	2		Testis	Whole embryo	Whole embryo
8646	245603	Hs.192263	H84871	48.22	4.31	11.19	9.00	1.00	6	551.37	Ear	Tonsil	Stomach
8668	366105	Hs.106019	AA071528	10.72	0.69	15.54	6.00	4.00	17	115.7	Ignore	Pooled	Heart
8687	714213	Hs.62359	AA293571	94.38	4.80	11.32	6.00	3.00	6	421.81	Skin	Adrenal gland	CNS
8676	212188	Hs.12352	H88848	39.11	3.15	12.41	13.00	2.00	17	414.96	Liver	Ovary	Spleen
8682	837319	Hs.28081	AA688703	45.28	1.32	34.42	8.00	6.00	10	66.49	Nose	Cervix	Kidney
8685	687497	Hs.173714	AA876804	23.37	0.10	226.74	9.00	6.00	X	277.63	Neural	Parathyroid	Adrenal gland
8692	88988	Hs.172803	T54184	14.64	0.01	1484.08	15.00	0.00	15	277.47	Pituitary	Parathyroid	Blood
8694	588559	Hs.103315	AA147043	57.68	0.55	104.87	9.00	6.00	12	43.34	Head and nec	Umbilical cord	Pool
8729	502151	Hs.85838	AA128777	33.85	1.23	27.43	6.00	1.00	17	539.74	Pituitary	Colon	-
8734	757469	Hs.98102	AA428374	68.66	3.15	21.80	8.00	1.00	2	411.43	Testis	Germ Cell	Heart
8738	324655	Hs.126256	W47101	1365.43	2.54	536.87	23.00	5.00	6		Stomach	Blood	Pituitary
8739	376298	Hs.184660	AA041251	120.93	4.34	27.90	14.00	2.00	18	23.41	Stomach	Adipose	Pooled
8743	843046	Hs.171695	AA488413	11.07	0.10	109.27	9.00	6.00	10	21.55	Cervix	Synovial mem	Bone
8747	487165	Hs.10590	AA045074	11.52	0.10	115.24	9.00	6.00	20	306.46			
8750	891427	Hs.100843	AA489470	10.67	0.08	129.61	9.00	6.00	10	654	Brain	Whole embryo	Blood
8762	213651	Hs.104925	H71222	194.72	5.33	38.52	6.00	2.00	6	371.25	Stomach	Brain	Skin
8768	71802	Hs.9392	T52152	33.63	2.65	12.70	6.00	0.00	5		Spleen	Whole embryo	Pool
8801	25194	Hs.25316	R39044	179.12	0.91	196.48	23.00	6.00	18	370.09	Breast	Brain	Pool
8822	133454	Hs.24156	R27457	59.50	3.11	19.11	7.00	1.00	12	205.02	Spleen	Whole embryo	Prostate
8834	415807	Hs.18919	W86245	14.83	0.10	143.15	9.00	0.00	12		Pool	LID not found	Other
8842	415447	Hs.192082	W80381	36.06	3.71	9.72	11.00	0.00	12	485.55	Synovial mem	Pooled	Stomach
8854	811581	Hs.21835	AA454805	25.97	1.00	25.97	7.00	5.00	X	110.82	CNS	-	Lung
8876	324307	Hs.8769	W47641	29.89	1.48	20.27	6.00	1.00	18	-10.88	Prostate	Pool	LID not found
8900	299465	Hs.184244	N71080	105.29	1.49	73.33	9.00	6.00	22	126.78	Esophagus	Adipose	Cervix
8932	502469	Hs.75635	AA156863	34.28	1.01	33.84	9.00	1.00	14	251	Omentum	Pituitary	-
8936	548933	Hs.624	AA102528	121.81	0.85	143.16	21.00	6.00	3	52.58	CNS	Muscle	Brain
8940	283315	Hs.46038	N43118	26.38	0.01	2835.86	15.00	1.00	7	98.58	-	Head and nec	Small intestine
8947	377731	Hs.73652	AA056232	53.23	2.75	19.38	15.00	5.00	11	378.48	Ignore	Pituitary	Actis
8948	697177	Hs.181013	AA678970	766.54	77.31	10.15	5.00	0.00	19	69.4	Pooled	Colon	Ovary
8952	310406	Hs.93913	N98591	70.02	0.86	81.50	22.00	5.00	11		Ignore	Pituitary	-
8958	757440	Hs.327	AA437228	22.65	0.65	34.71	9.00	6.00	11		Pool	Colon	Ovary
8971	366315	Hs.106597	AA025746	12.82	0.30	42.44	9.00	6.00	19		Pool	Colon	Ovary

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8976	491763	Hs.128255	AA150507	787.65	1.85	414.34	23.00	5.00	2	411.43	Blood	Pancreas
8984	260035	Hs.54434	N30372	24.74	0.10	247.40	9.00	6.00	7	491.02	Tonsil	Germ Cell
8989	862459	Hs.110364	AA676404	10.36	0.29	35.82	7.00	6.00	5	491.07	Cervix	Uterus
8999	250655	Hs.194478	H97146	45.51	1.79	25.44	8.00	2.00	12	374.05	Small intestine	Blood
9004	770444	Hs.80819	AA-30898	58.14	5.16	11.27	8.00	2.00	7	527.66	Gall bladder	Pancreas
9008	499869	Hs.118512	AA026934	138.05	6.63	20.82	8.00	2.00	2	592.38	Esophagus	CNS
9034	754408	Hs.195594	AA438187	17.44	0.55	31.71	9.00	6.00	12	485.13	Head and neck	Adrenal gland
9035	756887	Hs.180616	AA443889	384.12	10.38	35.10	23.00	6.00	6	612.88	Ear	Umbilical cord
9036	773260	Hs.54642	AA425224	155.64	17.67	8.81	5.00	0.00	10	471.4	Kidney	Pod
9039	128753	Hs.132219	R16836	79.89	0.46	175.38	21.00	4.00	10	411.43	Larynx	Head and neck
9041	740941	Hs.74120	AA476268	80.72	1.16	78.47	7.00	4.00	13	91.19	Whole embryo	Adipose
9052	79525	Hs.173091	T82439	42.32	3.71	11.40	5.00	0.00	12	247.55	Neural	Eye
9057	435024	Hs.73061	AA700048	11.78	1.00	11.78	5.00	1.00	17	268.37	Stomach	Colon
9067	731308	Hs.74335	AA416759	82.83	5.14	16.12	6.00	0.00	11	389.17	Testis	Adipose
9073	246872	Hs.183123	N59115	21.99	2.68	7.62	5.00	0.00	6	117.5	Larynx	Whole embryo
9085	306893	Hs.1118	N94487	935.16	0.01	935.16	20.00	2.00	7	282.43	Forebrain	Umbilical cord
9086	737873	Hs.2668	AA442853	72.51	0.55	131.84	9.00	6.00	17	448.49	Placenta	Adrenal gland
9107	624634	Hs.744	AA187349	76.24	1.00	76.24	9.00	2.00	11	136.53	CNS	Pooled
9114	290724	Hs.90598	N71782	34.16	2.28	14.86	7.00	1.00	1	726.88	Brain	LID not found
9163	843195	Hs.55407	AA488432	129.58	0.82	141.38	9.00	6.00	8	439.53	Brain	LID not found
9176	70500	Hs.203492	T48942	78.38	2.24	34.99	20.00	4.00	16	55.16	Esophagus	Ignore
9181	47671	Hs.91369	H11467	47.69	5.57	8.56	12.00	1.00	17	17.65	Adrenal gland	CNS
9186	34345	Hs.12457	R44163	30.48	1.42	21.31	9.00	0.00	11	408.68	Eye	Esophagus
9200	73252	Hs.77910	T56013	39.57	2.67	14.83	7.00	0.00	4	71.55	Gall bladder	Pooled
9213	31989	Hs.91878	R41984	20.99	1.00	20.99	9.00	6.00	14	278.45	Esophagus	Adrenal gland
9227	809507	Hs.75294	AA454583	15.47	0.55	28.13	9.00	6.00	2	224.18	Uterus	Kidney
9271	809533	Hs.29208	AA454584	25.13	1.46	17.21	5.00	1.00	15	338.52	Synovial men	Pancreas
9289	811605	Hs.28709	AA454617	37.97	0.86	44.26	10.00	6.00	9	389.97	Pooled	Ovary
9308	771004	Hs.41585	AA427719	57.40	1.19	48.09	22.00	0.00	16	361.71	Liver	Prostate
9332	237422	Hs.169998	N27179	54.22	0.62	87.38	17.00	2.00	8	255.41	Smooth muscle	Whole embryo
9417	222025	Hs.108369	H85557	13.20	0.54	24.34	6.00	4.00	12	363.82	Smooth muscle	Forebrain
9421	811048	Hs.70327	AA484327	16.58	0.10	167.32	9.00	6.00	18	241.82	Breast	Blood
9426	504673	Hs.103854	AA142843	17.54	1.00	17.54	5.00	3.00	8	98.1	Synovial men	Pooled
9427	814798	Hs.75746	AA453235	1602.82	3.80	422.01	22.00	5.00	6	596.93	Forebrain	Umbilical cord
9431	69046	Hs.19261	T54320	75.80	11.59	6.55	5.00	0.00	6	333.24	Forebrain	Spleen
9441	78353	Hs.110440	T66281	116.62	1.00	115.62	8.00	0.00	2	694.44	Cervix	CNS
9443	855624	Hs.78392	AA664101	110.05	2.95	37.31	5.00	5.00	1	163.83	Brain	Heart
9449	204257	Hs.2442	H59231	280.46	9.37	27.81	16.00	0.00	8	101.09	Pooled	Pod
9450	833574	Hs.184897	AA663440	23.96	0.56	42.80	9.00	6.00	20	39.86	CNS	LID not found
9454	361698	Hs.95351	V965325	34.82	0.55	63.31	8.00	5.00	3	680.35	CNS	Thyroid
9469	892506	Hs.83354	AA676458	75.17	1.00	75.17	18.00	2.00	17	347.35	Small intestine	Skull
9470	1031076	Hs.53176	AA610066	17.18	0.10	171.84	9.00	8.00	12	469.78	Forebrain	Tonsil
9485	472188	Hs.32217	AA057378	43.47	4.00	10.87	7.00	0.00	11	16.42	Heart	LID not found
9489	72984	Hs.77558	T57241	16.19	1.00	16.19	6.00	3.00	1	75.41	Aorta	Parathyroid
9537	49944	Hs.21599	AA488672	66.43	6.57	10.12	5.00	1.00	1	82.94	Larynx	Ear
9563	843283	Hs.43283	AA488672	66.43	6.57	10.12	5.00	1.00	1	191.65	Neural	Adipose
9566	345680	Hs.194695	V72033	392.30	2.49	157.37	23.00	5.00	15	45.7	Lymph node	Gall bladder
9634	415010	Hs.18565	V93086	13.75	1.91	7.20	6.00	0.00	12	608.88	Stomach	
9639	429352	Hs.91715	AA007515	37.46	4.27	8.77	7.00	1.00				
9644	358847	Hs.48584	V96452	21.92	0.01	2192.47	13.00	0.00				
9704	755402	Hs.853	AA424695	128.73	4.98	25.84	5.00	1.00				
9711	292223	Hs.187045	N62464	96.86	4.23	22.88	9.00	6.00				
9728	296448	Hs.75563	N74023	16.41	0.10	164.11	10.00	6.00				
9739	503802	Hs.107167	AA131289	22.50	1.00	22.50	6.00	1.00				
9752	756405	Hs.76884	AA482119	58.00	0.10	590.03	9.00	6.00				
9770	787330	Hs.197419	AA447678	36.73	1.00	36.73	16.00	6.00				
9798	83549	Hs.1279	T69803	60.89	0.01	608.88	14.00	2.00				

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9809	773478	Hs.153937	AA427891	19.92	0.27	74.07	9.00	6.00	3	725.84	Tonsil	Blood	Whole embryo
9810	858153	Hs.79334	AA633811	14.83	0.55	26.50	7.00	6.00	9	301.26	Pooled	Adipose	Aorta
9811	52635	Hs.3757	H29513	16.35	1.00	16.35	5.00	0.00			Gall bladder	Lymph	Kidney
9812	59378	Hs.15285	T56532	64.51	4.70	13.74	8.00	1.00			Head and nec	Placenta	CNS
9814	460470	Hs.98865	AA677687	16.40	1.00	16.40	10.00	5.00	1	684.72	Liver	Pool	-
9818	364934	Hs.133824	AA025275	33.88	1.00	33.88	5.00	5.00	18	395.69	CNS	Placenta	Parathyroid
9846	768959	Hs.15617	AA430540	177.91	2.47	72.05	6.00	3.00	13	313.55	Head and nec	Neural	Placenta
9850	361807	Hs.51147	W92431	27.54	0.91	30.22	5.00	6.00	3	160.58	Eye	-	LID not found
9853	198962	Hs.97681	R95732	37.92	1.33	28.55	8.00	0.00	10	104.88	CNS	Testis	Foreskin
9867	32889	Hs.13493	R43701	96.22	3.20	30.12	7.00	2.00	22	153.69	Ignore	Skin	Thyroid
9896	345176	Hs.11081	W72263	12.13	0.13	92.12	7.00	4.00			Marrow	Head and nec	Liver
9910	358980	Hs.10180	V992263	19.90	0.47	42.38	9.00	6.00	1	562.55	Tonsil	Heart	LID not found
9921	31818	Hs.08187	R41730	24.86	0.41	60.71	9.00	6.00	2	228.03	Brain	Whole embryo	Lung
10010	204483	Hs.46677	H58224	50.09	2.24	22.32	9.00	0.00	8	487.66	Whole embryo	Spleen	Blood
10031	415305	Hs.109047	W76539	20.37	2.13	9.58	8.00	6.00	7	427.1	Breast	Prostate	Placenta
10035	345023	Hs.25694	W76539	16.29	1.16	14.04	8.00	1.00			Kidney	Aorta	Lymph
10055	809473	Hs.29759	AA443119	368.92	17.21	21.43	9.00	1.00	17	308.87	Esophagus	Umbilical cord	Head and neck
10062	75799	Hs.186934	R93185	41.19	5.13	8.03	8.00	2.00	2	287.62	Adrenal gland	Tonsil	-
10086	856796	Hs.78244	AA689645	20.31	0.92	22.03	8.00	6.00	20	270.8	Epididymis	Neural	Pancreas
10100	305122	Hs.155103	N92611	59.78	6.65	8.99	8.00	0.00			Bone marrow	Eye	Parathyroid
10102	133041	Hs.187958	R28108	24.57	2.31	10.82	8.00	2.00	2	162.68	Eye	Foreskin	Parathyroid
10104	362483	Hs.107164	AA018591	382.59	26.46	13.71	9.00	0.00	2	360.6	Thymus	Skin	Muscle
10152	486175	Hs.75231	AA043133	33.29	1.00	33.29	7.00	0.00	1	490.97	Pooled	Foreskin	-
10154	345848	Hs.102267	W70343	189.40	2.55	73.85	22.00	4.00	5	539.25	Smooth musc	Pancreas	Uterus
10166	343736	Hs.54460	V99211	19.17	1.33	14.44	8.00	4.00			Thymus	Skin	Bone
10170	271188	Hs.75772	N30428	31.01	1.97	15.76	5.00	2.00	5	684.28	Bone marrow	Ovary	Kidney
10178	770082	Hs.66654	AA430676	28.64	1.88	15.24	5.00	5.00	7	448.84	Smooth musc	Skin	Adipose
10183	466591	Hs.171921	AA042890	109.24	5.84	18.71	19.00	1.00	2	688.97	Bone	CNS	Colon
10205	586539	Hs.184639	AA130874	26.95	2.21	12.19	5.00	3.00	1	64.05	Ignore	Breast	Pancreas
10214	178569	Hs.101813	H49053	10.09	0.77	13.07	7.00	2.00	16		Liver	Pooled	Foreskin
10218	268946	Hs.12109	N26062	19.24	1.38	13.94	7.00	1.00			Smooth musc	CNS	Eye
10236	80643	Hs.10283	T57603	57.93	2.83	19.78	8.00	3.00	21	245.27	Ignore	Small intestine	Neural
10246	506491	Hs.111126	AA159461	62.10	2.77	22.44	5.00	0.00	18	216.31	Breast	Brain	Eye
10247	877638	Hs.77387	AA488178	42.00	5.48	7.67	5.00	1.00	2	245.98	Eye	Colon	Testis
10308	82236	Hs.11810	T68887	67.41	5.81	11.59	10.00	1.00	11		Liver	LID not found	Other
10323	839579	Hs.197008	AA489813	32.82	0.49	66.39	9.00	6.00			Eye	LID not found	Other
10370	126513	Hs.64507	R08746	34.79	0.22	156.31	14.00	0.00	18	32.6	Pool	Kidney	Pool
10402	417318	Hs.18872	W89128	28.26	1.13	25.08	10.00	0.00			Pool	LID not found	Other
10426	126763	Hs.206507	R07142	42.71	1.00	42.71	7.00	3.00			Pool	LID not found	Other
10476	39920	Hs.172769	RS3935	31.54	0.26	119.59	7.00	4.00	19	484.48	Cervix	Lymph	Foreskin
10496	755578	Hs.184601	AA418177	60.74	6.83	8.89	5.00	0.00	14	1.92	Umbilical cord	Omentum	Small intestine
10500	768890	Hs.75514	AA430382	89.79	9.94	9.03	8.00	0.00	3	488.53	Marrow	Skin	Ovary
10507	278687	Hs.107127	N52924	383.36	29.10	13.18	12.00	1.00	X	80.82	Small intestine	Umbilical cord	Skin
10508	884301	Hs.173205	AA689758	170.46	12.45	13.89	8.00	3.00			63.7		
10512	344134	Hs.170116	W73790	10.76	0.10	107.03	9.00	6.00	22	373.41	Thyroid	CNS	Cervix
10516	329146	Hs.7499	W04502	13.91	1.00	13.91	7.00	5.00	11	674.22	Thymus	Eye	Foreskin
10541	502326	Hs.184587	AA156674	19.78	1.56	12.71	5.00	3.00	1	113.18	Cervix	Uterus	Spleen
10544	361869	Hs.173787	AA001378	15.89	1.00	15.89	7.00	6.00	6	188.28	Synovial mem	Thyroid	Muscle
10552	486438	Hs.77637	AA044380	228.16	27.68	8.17	5.00	1.00	2	52.58	CNS	Pool	Brain
10584	277507	Hs.75652	N56898	29.38	2.16	13.62	18.00	3.00	3	313.2	Adipose	Cervix	Blood
10595	52128	Hs.183389	H23968	26.79	2.83	9.46	7.00	1.00	11	247.37	Germ Cell	Testis	-
10596	50900	Hs.184114	H19229	67.37	9.75	6.91	5.00	0.00	14	208.06	Parathyroid	Pool	Testis
10602	256907	Hs.102484	N30095	313.92	2.38	131.91	21.00	6.00	6	340.3	Lymph	Thymus	Bone
10605	854338	Hs.154138	AA668821	26.42	0.52	50.40	5.00	0.00	1	165.67	Synovial mem	Neural	Heart
10607	82235	Hs.7306	T68892	25.33	1.00	25.33	11.00	2.00	8	638.73	Umbilical cord	Aorta	Bone
10815	147050	Hs.196384	R80217	130.10	2.08	82.48	21.00	5.00	1		Ovary	Blood	Prostate
10820	51991	Hs.106730	H23229	74.03	0.25	294.79	9.00	6.00					

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Table 3C

10633	428349	Hs.4736	AA007419	251.57	2.88	87.46	23.00	5.00	1	592.98	Adrenal gland	Brain	Germ Cell
10637	755612	Hs.85339	A4419229	11.96	0.10	119.80	8.00	6.00	2	471.33	Adrenal gland	Ovary	Brain
10640	33715	Hs.22565	R4076	17.44	0.01	1743.97	8.00	0.00	7	601.87	Neural	Menow	Pooled
10643	47264	Hs.4892	H10713	10.31	0.05	214.59	8.00	0.00	20	194.06	Brain	Forebrain	Germ Cell
10644	25338	Hs.20328	R37108	24.83	0.00	39.07	8.00	0.00	17	340.31	Neural	Parathyroid	Lung
10653	214865	Hs.201645	H72030	11.55	0.01	1154.94	14.00	0.00	20	194.06	Brain	Forebrain	Stomach
10656	581916	Hs.8763	AA085676	44.31	2.08	21.33	17.00	0.00	17	340.31	Neural	Testis	Stomach
10666	842790	Hs.131279	A4486182	28.16	2.24	12.55	8.00	0.00	5	263.46	Cervix	Testis	Testis
10697	78041	Hs.71068	T61343	58.05	2.61	22.22	8.00	5.00	5	263.46	Liver	Parathyroid	Spleen
10707	270343	Hs.44424	N33041	15.04	0.56	26.96	9.00	0.00	1	686.55	Forebrain	Pool	LID not found
10708	46860	Hs.101689	H10056	22.52	0.01	2251.70	13.00	1.00	1	686.55	Whole embryo	Brain	Brain
10723	321510	Hs.180879	V032523	12.62	1.00	12.62	5.00	6.00	1	32.73	Smooth musc	Adrenal gland	Lymph
10727	742642	Hs.11169	AA400258	21.03	0.55	38.24	9.00	6.00	1	32.73	Gall bladder	Gall bladder	Stomach
10733	841668	Hs.5566	AA487561	96.70	3.07	31.53	10.00	1.00	14	232.6	Head and nec	Cervix	Muscle
10737	773639	Hs.7367	AA431887	15.00	0.19	77.16	8.00	6.00	6	508.84	Heart	Uterus	Pool
10738	611196	Hs.48698	AA176785	79.86	12.20	6.54	6.00	0.00	15	135.17	Heart	Uterus	LID not found
10828	491367	Hs.160032	AA148524	111.88	6.54	17.12	12.00	3.00	12	354.22	Brain	Forebrain	Whole embryo
10848	345838	Hs.44168	W72592	142.07	7.12	19.85	7.00	4.00	12	354.22	Brain	Forebrain	Pooled
10858	241946	Hs.41820	H93050	15.74	2.81	5.59	5.00	0.00	6	468.75	Bone marrow	Adipose	Germ Cell
10872	878836	Hs.2285	A463073	89.65	2.23	40.41	10.00	6.00	1	397.88	Bone	Eye	Breast
10880	971398	Hs.154679	A463073	15.64	0.26	60.74	9.00	6.00	17	452.42	Neural	Ear	Head and neck
10888	267456	Hs.18851	N25240	28.20	2.70	10.44	5.00	0.00	1	73.85	Smooth musc	Skin	Stomach
10910	308826	Hs.78672	N94816	85.70	1.00	85.70	8.00	5.00	1	73.85	Smooth musc	Skin	Stomach
10912	742064	Hs.111779	H95980	1729.27	0.06	401.42	9.00	6.00	1	73.85	Smooth musc	Skin	Stomach
10920	250654	Hs.7655	AA405748	23.78	0.08	63.82	15.00	4.00	1	73.85	Smooth musc	Skin	Stomach
10942	268776	Hs.183037	N25869	215.38	13.33	16.15	6.00	0.00	1	73.85	Smooth musc	Skin	Stomach
10948	770059	Hs.25576	AA427561	73.04	2.04	35.74	5.00	5.00	1	73.85	Smooth musc	Skin	Stomach
11029	772425	Hs.416	AA405569	43.05	2.76	16.29	10.00	4.00	1	73.85	Smooth musc	Skin	Stomach
11144	344036	Hs.48523	W02029	23.68	1.00	23.68	8.00	1.00	1	73.85	Smooth musc	Skin	Stomach
11186	415535	Hs.191934	W06035	21.32	1.96	10.89	5.00	0.00	1	73.85	Smooth musc	Skin	Stomach
11184	415204	Hs.203351	W94836	172.21	0.45	385.02	19.00	0.00	1	73.85	Smooth musc	Skin	Stomach
11202	127456	Hs.4789	R08769	58.91	3.84	14.83	12.00	0.00	1	73.85	Smooth musc	Skin	Stomach
11210	307740	Hs.20255	N92947	51.18	4.79	12.77	8.00	0.00	1	73.85	Smooth musc	Skin	Stomach
11223	426842	Hs.38449	AA011639	14.14	0.80	17.71	6.00	0.00	1	73.85	Smooth musc	Skin	Stomach
11242	204740	Hs.118653	H57306	23.86	1.00	23.86	8.00	6.00	1	73.85	Smooth musc	Skin	Stomach
11251	144849	Hs.26746	R78530	159.51	7.41	21.53	13.00	1.00	1	73.85	Smooth musc	Skin	Stomach
11260	83444	Hs.552	T68568	11.87	0.31	38.54	8.00	6.00	1	73.85	Smooth musc	Skin	Stomach
11276	433567	Hs.105806	AA701652	32.65	1.00	32.65	16.00	6.00	1	73.85	Smooth musc	Skin	Stomach
11283	488584	Hs.28784	AA044814	11.82	1.00	11.82	5.00	5.00	1	73.85	Smooth musc	Skin	Stomach
11288	322364	Hs.95028	AA059372	41.81	2.18	19.21	16.00	0.00	1	73.85	Smooth musc	Skin	Stomach
11303	244012	Hs.108029	N38787	37.49	0.55	88.16	9.00	6.00	1	73.85	Smooth musc	Skin	Stomach
11342	858292	Hs.184326	AA633993	122.92	7.60	16.18	7.00	1.00	1	73.85	Smooth musc	Skin	Stomach
11346	566886	Hs.77100	AA133566	12.81	0.24	53.19	8.00	5.00	1	73.85	Smooth musc	Skin	Stomach
11350	377461	Hs.74034	AA055835	131.51	6.44	20.41	14.00	1.00	1	73.85	Smooth musc	Skin	Stomach
11358	345538	Hs.78056	W73874	83.02	9.14	9.04	6.00	1.00	1	73.85	Smooth musc	Skin	Stomach
11366	845555	Hs.10029	A4644068	16.96	0.55	30.84	8.00	6.00	1	73.85	Smooth musc	Skin	Stomach
11370	52339	Hs.8037	H23278	45.58	1.00	45.58	21.00	3.00	1	73.85	Smooth musc	Skin	Stomach
11370	52339	Hs.769	W42723	276.13	2.97	92.89	21.00	2.00	1	73.85	Smooth musc	Skin	Stomach
11381	345935	Hs.188008	W72201	27.65	1.00	27.65	13.00	1.00	1	73.85	Smooth musc	Skin	Stomach
11385	487820	Hs.76772	AA043506	12.58	0.19	66.46	8.00	6.00	1	73.85	Smooth musc	Skin	Stomach
11394	759173	Hs.154084	AA496032	14.30	0.38	37.85	8.00	6.00	1	73.85	Smooth musc	Skin	Stomach
11405	124575	Hs.88219	R01941	16.06	1.08	14.78	5.00	0.00	1	73.85	Smooth musc	Skin	Stomach
11421	844953	Hs.8372	AA628862	51.30	0.73	59.83	7.00	6.00	1	73.85	Smooth musc	Skin	Stomach
11438	731227	Hs.28871	AA420985	10.45	0.25	41.69	9.00	5.00	1	73.85	Smooth musc	Skin	Stomach
11439	627277	Hs.25732	AA191463	75.06	11.35	6.61	5.00	0.00	1	73.85	Smooth musc	Skin	Stomach
11461	67769	Hs.24040	T48657	83.80	0.53	156.93	9.00	6.00	1	73.85	Smooth musc	Skin	Stomach
11475	502585	Hs.21094	AA156821	68.76	7.92	8.81	5.00	0.00	1	73.85	Smooth musc	Skin	Stomach

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11477	70384	Hs.100425	T54474	28.36	0.28	102.74	8.00	2.00	ForeSkin	Placenta	LID not found
11503	511847	Hs.17377	AA128947	83.08	10.47	7.94	6.00	0.00	ForeSkin	Adrenal gland	
11506	528872	Hs.25893	AA113166	13.77	0.10	137.73	8.00	6.00	Uterus	Placenta	
11526	121136	Hs.35463	T96924	17.76	1.75	10.18	8.00	0.00	Pancreas	Prostate	
11547	490556	Hs.26518	AA1100696	16.54	0.70	23.52	8.00	6.00	ForeSkin	Heart	
11571	505076	Hs.203368	AA1149827	55.08	0.99	55.48	21.00	5.00	ForeSkin	Whole embryo	
11578	498600	Hs.15790	AA099357	21.91	0.78	18.19	7.00	5.00	ForeSkin	Pool	
11606	428371	Hs.18180	AA004359	14.99	0.01	2159.48	10.00	1.00	Uterus	Umbilical cord	
11610	782460	Hs.173374	AA431438	369.29	22.23	16.61	18.00	1.00	ForeSkin	Umbilical cord	
11640	796595	Hs.116301	AA444051	21.04	0.34	81.55	9.00	6.00	ForeSkin	Head and neck	
11650	376551	Hs.82684	AA041476	11.50	0.01	1149.71	13.00	0.00	ForeSkin	Small intestine	
11666	278051	Hs.108894	N63478	27.53	0.01	2753.25	14.00	0.00	Lung	CNS	
11669	487793	Hs.302590	AA043501	18.08	0.58	31.13	7.00	4.00	ForeSkin	CNS	
11670	355826	Hs.65029	AA025819	48.54	1.00	48.54	6.00	5.00	ForeSkin	CNS	
11677	347861	Hs.58419	V01546	13.56	0.75	18.18	10.00	6.00	Bone	Bone	
11680	970590	Hs.179779	AA683077	270.46	1.00	27.46	9.00	6.00	ForeSkin	Stomach	
11681	308928	Hs.55144	N85435	42.59	2.77	15.39	15.00	1.00	Skin	Skin	
11684	282108	Hs.42322	N51499	42.44	3.04	13.94	5.00	1.00	Prostate	Prostate	
11695	299162	Hs.204213	N75473	12.15	0.26	47.27	8.00	6.00	Synovial men	Head and neck	
11696	624627	Hs.75319	AA187351	106.96	6.85	15.62	11.00	0.00	CNS	Adrenal gland	
11702	782576	Hs.82774	AA447514	22.42	1.57	14.28	11.00	3.00	CNS	Testis	
11725	413970	Hs.110906	V06216	40.57	6.00	6.77	6.00	2.00	CNS	Blood	
11737	277423	Hs.21355	N34613	14.03	2.14	6.98	5.00	0.00	Stomach	Blood	
11749	502682	Hs.102948	AA127086	122.26	13.89	8.80	5.00	0.00	ForeSkin	Pool	
11750	270505	Hs.2359	N33214	34.97	0.55	63.58	9.00	6.00	Larynx	ForeSkin	
11753	280154	Hs.61289	N47098	70.14	1.22	57.33	6.00	2.00	ForeSkin	Whole embryo	
11754	384081	Hs.8141	AA702648	13.51	0.89	15.15	8.00	5.00	ForeSkin	CNS	
11767	340857	Hs.25105	V06771	22.51	0.32	71.12	11.00	2.00	Smooth musc	Germ Cell	
11768	460403	Hs.54451	R677634	172.40	0.97	177.73	5.00	2.00	Fallopian	Skin	
11769	200263	Hs.93184	R97710	15.77	0.88	17.85	12.00	2.00	Germ Cell	Germ Cell	
11776	45327	Hs.174140	H08548	217.64	10.02	21.73	18.00	0.00	Spleen	Gall bladder	
11776	46180	Hs.171495	H09105	27.34	0.79	34.51	7.00	0.00	Bone	Cervix	
11777	524577	Hs.45180	AA187340	28.65	0.54	49.20	9.00	6.00	84.9 Gall bladder	Umbilical cord	
11794	590500	Hs.109802	AA157281	15.01	0.85	17.72	6.00	6.00	285.03 Umbilical cord	Uterus	
11811	45459	Hs.107513	H15549	25.33	1.45	17.47	5.00	0.00	Spleen	Synovial membrane	
11842	592802	Hs.194481	AA158244	11.50	0.55	20.90	9.00	6.00	Muscle	Whole embryo	
11869	49839	Hs.131410	H29285	13.95	0.51	27.15	7.00	4.00	ForeSkin	Heart	
11876	33811	Hs.22804	R44077	21.43	3.11	6.89	5.00	0.00	ForeSkin	LID not found	
11876	877841	Hs.14811	AA488185	229.58	4.23	54.28	9.00	5.00	ForeSkin	Brain	
11846	128167	Hs.206507	R12388	81.05	2.78	28.37	8.00	6.00	Whole embryo	Eye	
11854	288807	Hs.20450	N62522	100.14	3.01	33.22	15.00	6.00	CNS	CNS	
11855	488595	Hs.35085	AA098034	22.45	1.00	22.45	7.00	6.00	Skin	Colon	
11868	343401	Hs.184110	V67728	185.27	0.10	1852.67	9.00	6.00	Tonell	Spleen	
11871	300323	Hs.35094	N79778	25.76	1.00	25.76	9.00	6.00	Adipose	Gall bladder	
11876	428766	Hs.20495	AA004667	70.26	3.08	22.81	13.00	0.00	Breast	CNS	
11893	503545	Hs.202989	AA131516	11.03	0.08	169.56	8.00	6.00	Pool	LID not found	
12011	168535	Hs.141142	R89317	11.28	1.00	11.25	7.00	3.00	Placenta	Pool	
12038	194134	Hs.74562	AA630094	22.69	0.23	98.89	8.00	4.00	ForeSkin	Uterus	
12056	854696	Hs.193867	AA457100	36.84	1.00	36.84	8.00	5.00	Larynx	Esophagus	
12071	810711	Hs.15387	AA457100	34.06	3.65	9.33	10.00	0.00	Breast	Small intestine	
12082	500264	Hs.75742	AA155913	130.40	1.52	80.27	5.00	6.00	Umbilical cord	Adipose	
12094	144925	Hs.197008	R70521	536.49	30.01	17.86	5.00	1.00	ForeSkin	Adipose	
12118	892548	Hs.74451	AA676484	20.26	1.00	20.26	8.00	6.00	Nose	Thymus	
12121	252515	Hs.81771	H87471	46.73	3.98	11.75	9.00	5.00	Lymph	Colon	
12126	325182	Hs.161	V06819	144.60	2.55	56.80	17.00	3.00	Bone	Bone	
12146	365515	Hs.164568	AA008809	134.72	3.07	43.87	19.00	8.00	Ear	Heart	
12153	77539	Hs.10458	T58775	41.58	0.53	79.04	8.00	6.00	Liver	LID not found	

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12155	76189	Hs.5697	T59650	302.26	0.75	34.55	23.00	4.00	4	443.88	Adipose	Uterus	Kidney
12157	504791	Hs.169807	AA152047	81.28	8.68	11.81	7.00	4.00		Parathyroid	Heart	CNS	
12158	745503	Hs.2110	AA625965	180.10	11.46	15.72	5.00	1.00	3	448.8	Smooth muscle	Thyroid	CNS
12174	530185	Hs.79187	AA111869	12.83	0.66	18.61	9.00	6.00	6	43.37	Thyroid	Lymph	Tonsil
12181	739155	Hs.32963	AA421819	25.89	1.15	22.44	5.00	0.00	5	116.08	Pooled	Ovary	Whole embryo
12183	78844	Hs.8503	T46871	25.94	0.87	29.81	15.00	4.00		Pooled	Bone	Placenta	
12188	51331	Hs.21213	H20809	30.69	2.74	11.19	6.00	0.00	15	168	Thyroid	Brain	Forebrain
12191	78041	Hs.17987	T68878	75.35	4.15	18.15	6.00	1.00	15	141.43			
12208	138881	Hs.13313	R84144	19.90	0.03	731.64	5.00	0.00	12	57.76	Ear	Stomach	
12232	786777	Hs.118693	AA461168	23.54	0.51	45.88	13.00	1.00	2	24.12	Cervix	Umbilical cord	Larynx
12233	840667	Hs.7773	AA48581	15.05	1.00	15.05	7.00	4.00	16	398.08	Adrenal gland	Germ Cell	
12241	784168	Hs.7780	AA432103	126.34	4.01	31.50	7.00	0.00	4	472.21	Uterus	Aorta	
12254	502277	Hs.16089	AA156597	18.64	0.64	28.95	8.00	0.00	16	63.62	Testis	Uterus	Colon
12268	22773	Hs.10475	R38613	187.84	1.25	150.27	9.00	6.00	X	245.06	Whole embryo	Heart	Brain
12271	731270	Hs.57770	AA416684	11.64	1.27	9.20	5.00	0.00	9	340.21	Stn	Thyroid	Whole embryo
12279	744647	Hs.58488	AA621315	160.66	6.44	24.97	11.00	0.00	9	184.96	Stomach	Parathyroid	Lung
12292	288603	Hs.48895	N70608	23.43	1.58	14.80	6.00	4.00	19	Tonsil	Eye	Aorta	
12351	594323	Hs.182234	AA168202	15.71	0.11	138.35	8.00	5.00		313.02	Forebrain	LID not found	Other
12367	273501	Hs.44463	N33264	15.12	0.01	1511.89	18.00	2.00	9	Cervix	Tonsil	Prostate	
12441	820710	Hs.173334	AA181540	34.14	3.39	8.51	5.00	0.00		Testis	Lung		
12454	731254	Hs.07866	AA420989	16.71	1.00	16.71	8.00	3.00	6	78.75	Smooth muscle	Pooled	Thymus
12495	788205	Hs.83484	AA463420	18.45	0.55	33.55	8.00	6.00		Pancreas	Kidney	Heart	
12497	1031919	Hs.112759	AA609749	54.00	4.15	17.00	17.00	0.00	16	389.99	Testis	Synovial mem	Liver
12578	38569	Hs.202541	R51494	14.39	0.01	1439.40	16.00	1.00	16	358.39	Testis	Brain	LID not found
12596	1472735	Hs.74170	AA872383	311.05	2.37	131.23	9.00	3.00	18	173.47	Umbilical cord	Umbilical cord	Aorta
12607	43965	Hs.30495	H04828	24.05	0.01	2405.23	14.00	0.00	2	214.41	Brain	CNS	Thyroid
12612	1472775	Hs.114589	AA872420	55.76	1.00	55.76	13.00	5.00	10	719.04	Adipose	Pancreas	Placenta
12636	1492230	Hs.196711	AA075933	140.86	1.94	85.90	13.00	4.00	19	343.85	Aorta	Smooth muscle	Synovial membrane
12641	754449	Hs.30069	AA410290	16.42	2.01	6.17	6.00	2.00	11	446.98	Pancreas	Testis	Uterus
12648	289645	Hs.74565	N82866	22.71	1.89	12.06	7.00	2.00	16	61.17		Heart	Pooled
12668	1492428	Hs.6454	AA378578	17.62	0.55	32.04	9.00	6.00	22	136.78	Nose	Heart	Testis
12672	1387760	Hs.198433	AA434691	134.83	5.22	25.84	6.00	2.00	X	245.08	Parathyroid	CNS	Germ Cell
12684	504959	Hs.32405	AA149051	17.69	0.32	55.87	5.00	0.00	5	473.63	Placenta	Uterus	Testis
12758	282100	Hs.82774	N51488	23.82	1.88	12.78	8.00	0.00	9	117.87	Aorta	Cervix	Adrenal gland
12775	359059	Hs.203550	V43028	13.57	0.33	40.71	9.00	6.00	12	311.24	Cervix	Aorta	Testis
12799	376839	Hs.6853	AA047818	17.45	0.01	1745.14	14.00	2.00	19	289.06	Pooled	Whole embryo	Placenta
12803	950678	Hs.108689	AA608558	25.87	1.00	25.87	6.00	2.00	11	50.3	Head and nec	Parathyroid	Forebrain
12815	342027	Hs.172847	V60283	453.49	0.32	1419.54	9.00	6.00	10	318.05	Stomach	Uterus	CNS
12819	249953	Hs.146278	H95856	13.74	1.00	13.74	5.00	4.00	8	65.28	Parathyroid	Brain	Lung
12835	743568	Hs.103765	AA609454	23.82	1.00	23.82	8.00	2.00	5	415.27	Placenta	Forebrain	Cervix
12843	280828	Hs.108805	H97565	46.84	2.74	17.07	6.00	2.00	19	52.61	Bone marrow	Synovial mem.	Uterus
12848	753071	Hs.167510	N69653	76.53	10.91	7.01	5.00	0.00	19	Adrenal gland	Tonsil	Prostate	
12867	197657	Hs.5285	AA438565	67.68	4.03	16.80	8.00	2.00	12				
12876	267725	Hs.12107	N25578	46.57	1.00	46.57	8.00	6.00	9				
13002	259973	Hs.172344	N32604	12.88	0.10	128.82	8.00	6.00	19				
13039	774446	Hs.394	AA446120	21.49	0.48	45.04	8.00	6.00	11				
13043	689375	Hs.40489	AA253464	53.71	1.41	36.19	20.00	1.00	10				
13110	265093	Hs.22202	N21553	36.31	4.90	7.41	5.00	1.00	8				
13126	731240	Hs.22233	AA417363	79.80	5.23	15.27	14.00	1.00	5				
13134	786266	Hs.22260	AA460828	87.41	3.31	20.36	18.00	2.00	19				
13138	850450	Hs.188006	AA599394	126.38	3.41	37.08	19.00	0.00	8				
13169	287748	Hs.62212	N59913	25.90	0.93	27.88	8.00	0.00	5				
13258	291700	Hs.122480	N73477	62.15	0.65	95.29	9.00	5.00	19				
13325	69002	Hs.9613	T54298	87.61	1.00	87.61	16.00	6.00					
13372	1481048	Hs.93082	AA890138	14.28	0.78	18.16	6.00	2.00					
13376	1383395	Hs.181128	AA844141	32.01	0.55	58.51	6.00	4.00					

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13382	785701	Hs.107325	A449333	227.57	16.86	13.49	9.00	1.00	18	81.14	Cervix	Nose	Uterus
13383	44300	Hs.101653	H06377	16.57	0.55	30.12	8.00	5.00	9	LID not found	Other		
13390	767903	Hs.139253	A449334	170.35	21.41	7.38	8.00	2.00	9	374.18	Cervix	Lymph	Whole embryo
13397	767993	Hs.29759	A4418829	63.68	1.64	38.96	19.00	2.00	17	309.87	Esophagus	Umbilical cord	Head and neck
13404	1461664	Hs.1327	A485311	30.91	1.70	18.24	14.00	0.00	3	610.81	Neural	Whole embryo	Germ Cell
13408	1404774	Hs.89876	A4845432	27.53	1.00	27.53	16.00	6.00	12	105.23	Uterus	Cervix	Adipose
13421	768008	Hs.55220	A4418744	49.20	1.93	25.59	13.00	0.00	6	219.84	Cervix	Uterus	Placenta
13425	754550	Hs.177635	A4406290	32.67	2.52	12.87	5.00	6.00	3	217.06	Stomach	Colon	Brain
13437	768043	Hs.22189	A4418652	15.07	0.16	83.60	9.00	6.00	1	191.7	CNS	Aorta	-
13523	282733	Hs.46832	N49748	36.42	1.00	36.42	22.00	3.00	3	375.88	Testis	Pool	Colon
13529	730035	Hs.180159	A4416997	112.30	11.37	9.87	5.00	2.00	8	175.88	Forebrain	Pancreas	LID not found
13547	282313	Hs.108873	H95460	22.62	1.00	22.62	11.00	3.00	3	LID not found	Other		
13553	592523	Hs.72451	A4160484	12.42	0.55	23.30	7.00	4.00	3	714.15	Stomach	Pool	Heart
13568	646975	Hs.183260	A4457644	85.46	5.13	16.66	12.00	0.00	3	480.24	Pool	LID not found	Other
13569	821144	Hs.47359	N51883	303.69	13.04	23.29	11.00	2.00	7	553.91	Nose	LID not found	Other
13570	851102	Hs.199303	A4620463	25.37	2.64	9.60	12.00	2.00	7	220.7	CNS	Testis	Lymph
13573	258118	Hs.43688	N27108	167.98	2.02	83.16	23.00	6.00	1	425.87	Cervix	Forebrain	Uterus
13581	258987	Hs.43983	N27366	39.35	0.55	71.55	9.00	6.00	8	382.93	Small intestine	Stomach	Germ Cell
13589	771290	Hs.99011	A4443822	63.66	1.89	33.77	6.00	0.00	21	242.21	Forebrain	LID not found	Other
13592	284220	Hs.171763	N53534	14.03	0.84	18.77	6.00	4.00	19	266.35	Forebrain	Spleen	LID not found
13599	436121	Hs.169228	A4701006	48.10	0.40	120.06	16.00	6.00	1	88.45	Synovial mem	Lung	LID not found
13765	813490	Hs.191337	A4456063	99.08	9.00	11.01	5.00	0.00	1	101.74	Synovial mem	Forebrain	CNS
13802	786517	Hs.32125	A4449821	79.41	3.17	25.09	16.00	3.00	12	36.94	Lymph	Uterus	Pooled
13808	346009	Hs.155455	N72140	13.64	0.88	13.96	8.00	6.00	10	428.78	Head and neck	Ear	Pancreas
13809	811955	Hs.105033	A4458642	56.44	1.00	56.44	23.00	3.00	1	51.33	Adrenal gland	Uterus	Lymph
13816	344272	Hs.9999	N73810	31.40	2.20	14.27	6.00	6.00	8	17.74	Pooled	CNS	Ovary
13828	238903	Hs.11867	N75386	25.93	3.43	7.56	7.00	0.00	4	488.82	Umbilical cord	Pooled	Germ Cell
13828	244184	Hs.181163	N51030	23.43	0.55	42.60	9.00	0.00	1	383.55	Pleura	Kidney	Pool
13847	380177	Hs.103322	A4012811	21.41	0.65	38.82	6.00	6.00	1	Pancreas	LID not found	Other	
13856	838600	Hs.169812	A4465951	12.64	0.55	22.87	6.00	5.00	12	666.82	Bone	Umbilical cord	Aorta
13863	840503	Hs.53631	A4485896	195.98	11.86	16.53	5.00	4.00	2	470.33	Muscle	Thyroid	LID not found
13869	487086	Hs.62780	A4043300	68.72	10.38	8.62	6.00	0.00	4	117.28	Nose	Aorta	Whole embryo
13894	280696	Hs.154762	H97597	172.57	9.07	19.03	10.00	1.00	3	35.88	Cervix	Pancreas	Heart
13896	592850	Hs.204048	A4161161	16.12	0.71	22.77	9.00	3.00	20	44.28	Cervix	Pancreas	Heart
14002	698377	Hs.25132	A4167130	132.17	8.22	16.08	11.00	4.00	5	368.51	Forebrain	CNS	LID not found
14004	488207	Hs.135150	A4064530	55.48	1.57	35.46	11.00	6.00	7	675.52	Head and neck	Adrenal gland	Brain
14010	610097	Hs.184552	A4169798	40.99	0.21	198.28	9.00	2.00	20	328.54	Thymus	Bone	Forebrain
14071	812967	Hs.20709	A4464601	94.18	4.06	15.83	18.00	0.00	1	Thymus	Kidney	Ovary	
14110	195162	Hs.179735	R81954	89.24	7.69	9.01	5.00	0.00	2	666.82	Bone	Umbilical cord	Aorta
14111	765707	Hs.5101	A4449306	200.21	26.33	7.60	5.00	0.00	4	470.33	Muscle	Thyroid	LID not found
14160	413378	Hs.792	A4766974	22.27	0.55	40.49	8.00	6.00	3	117.28	Nose	Aorta	Whole embryo
14188	1412412	Hs.21	A4845015	11.97	1.00	11.97	11.00	1.00	8	35.88	Cervix	Pancreas	Heart
14200	434768	Hs.9914	A4701680	70.95	1.54	46.18	18.00	4.00	8	44.28	Cervix	Pancreas	Heart
14235	640726	Hs.118162	A4487846	297.67	12.47	23.87	7.00	0.00	5	368.51	Forebrain	CNS	LID not found
14259	280726	Hs.170552	N50556	1377.09	143.67	9.69	7.00	0.00	7	675.52	Head and neck	Adrenal gland	Brain
14317	784100	Hs.154103	A4443846	57.00	6.32	9.02	7.00	1.00	20	44.28	Cervix	Pancreas	Heart
14320	773575	Hs.126083	A4428240	41.33	1.85	22.40	6.00	1.00	5	368.51	Forebrain	CNS	LID not found
14340	243410	Hs.180705	N38952	66.87	1.77	37.88	14.00	6.00	7	675.52	Head and neck	Adrenal gland	Brain
14359	359610	Hs.110246	A4011062	48.20	0.61	78.57	21.00	3.00	20	44.28	Cervix	Pancreas	Heart
14432	733368	Hs.193755	A4411682	23.43	0.55	42.61	9.00	6.00	5	368.51	Forebrain	CNS	LID not found
14470	266336	Hs.115617	N28546	14.45	1.00	14.45	9.00	0.00	7	675.52	Head and neck	Adrenal gland	Brain
14512	345077	Hs.75087	N72310	13.03	0.66	19.26	5.00	5.00	20	328.54	Thymus	Bone	Forebrain
14528	349001	Hs.76006	R45114	28.49	3.11	6.48	5.00	4.00	1	Thymus	Kidney	Ovary	
14540	969614	Hs.85769	A4772816	70.52	6.03	11.48	5.00	0.00	1	88.45	Synovial mem	Lung	LID not found
14543	767405	Hs.194594	A4417821	57.54	4.19	13.77	5.00	5.00	1	88.45	Synovial mem	Lung	LID not found

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14548	970271	Hs.33018	AA775957	25.00	13.77	5.00	0.00	11	379	Brain	Heart	Pool
14549	813620	Hs.12/174	AA447729	238.48	22.94	10.00	4.00				Heart	Tests
14550	34934	Hs.28370	RA5160	16.22	39.04	8.00	4.00					
14560	378488	Hs.186287	AA777167	568.46	37.66	11.00	1.00	10	367.79	Eye	Thymus	Gall bladder
14569	813645	Hs.11/244	AA447746	142.41	9.73	8.00	2.00				LID not found	Other
14589	784272	Hs.127948	AA447478	21.78	39.60	8.00	6.00					
14599	796732	Hs.62805	AA460708	212.22	91.26	23.00	6.00	7	551.66	Gall bladder	Bone	Pooled
14759	840684	Hs.105695	AA486567	53.98	2.51	8.00	1.00				Whole embryo	Ovary
14777	377298	Hs.63190	AA034491	18.02	32.76	9.00	6.00	17	407.93	Pooled	Placenta	Cervix
14788	754026	Hs.21806	AA479676	97.48	7.89	9.00	0.00	16	440.62	Forekin	Tonsil	Eye
14864	36934	Hs.173373	R02444	11.97	25.09	9.00	0.00				Brain	
14880	53122	Hs.12581	R15691	24.98	35.97	11.00	3.00				Brain	
14889	767075	Hs.210586	AA244517	33.79	6.92	7.00	0.00	X	318.81	Esophagus	Synovial mem	Ovary
14924	1434946	Hs.171595	AA857131	37.40	37.40	5.00	6.00				Testis	LID not found
14935	647444	Hs.86125	AA199666	38.81	32.40	9.00	6.00	17	88.53	Pancreas	Colon	Heart
15084	691814	Hs.185016	AA143467	21.11	211.11	9.00	6.00	16	478.28	Tonsil	Eye	LID not found
15101	838853	Hs.190150	AA481788	88.82	70.87	5.00	3.00				Smooth musc	Gall bladder
15104	300012	Hs.71694	N78895	23.88	23.88	6.00	3.00	8	477.89	Smooth musc	Gall bladder	Placenta
15123	504253	Hs.109144	AA132065	182.68	8.30	12.00	3.00	5	542.07	CNS	Muscle	Uterus
15124	211804	Hs.120592	H71883	48.32	57.00	18.00	1.00				Gall bladder	
15133	744605	Hs.88111	AA621291	10.20	102.02	9.00	6.00	7	424.67	Cervix	Testis	Breast
15155	288961	Hs.15632	N82712	27.25	27.25	9.00	6.00				LID not found	Other
15156	566440	Hs.120980	AA148062	21.48	214.84	9.00	6.00	12	487.5	Stomach	Uterus	Muscle
15179	786609	Hs.16859	AA478481	125.82	42.01	13.00	2.00	11	323.74	Bone	Ear	Stomach
15187	42008	Hs.26787	R60711	53.25	13.57	10.00	0.00	11	44.65	Pooled	Brain	Heart
15207	728439	Hs.36727	AA339245	14.53	33.88	9.00	6.00	12	68.14	Skin		Prostate
15216	813169	Hs.10624	AA450318	14.56	0.55	26.47	3.00				Muscle	
15219	753743	Hs.71968	AA406546	51.48	7.12	8.00	0.00					
15238	328868	Hs.165610	WA5275	25.37	2.00	12.66	6.00	1	194.85	Muscle	Brain	Breast
15275	768271	Hs.102664	AA244813	185.14	32.18	17.00	2.00	11	131.34	Uterus	LID not found	Other
15279	795388	Hs.75113	AA456147	65.47	22.51	21.00	6.00	7	528.84	Tonsil	Testis	Brain
15287	798613	Hs.82885	AA481456	157.92	55.47	17.00	2.00	13	264.28	Small intestine	Ear	Adrenal gland
15295	1410444	Hs.1257	AA637163	116.11	4.42	35.77	12.00	2	889.13	Smooth musc	Bone	Whole embryo
15309	813697	Hs.49500	AA453769	37.83	1161.05	23.00	6.00	4	104.13	Small intestine	Colon	Prostate
15331	768422	Hs.103316	AA485804	31.84	18.68	5.00	2.00	16	390.7	Whole embryo	Uterus	Cervix
15348	214006	Hs.182278	H70776	16.72	12.24	7.00	5.00	6	104.03			Pool
15351	1489377	Hs.78269	AA863469	84.76	122.53	8.00	5.00	5	372.27	Esophagus	Forekin	Tonsil
15356	239611	Hs.117848	H76534	116.97	12.65	8.00	2.00	11	36.53	Thymus	Heart	Spleen
15363	268697	Hs.43275	N22897	248.26	33.79	18.00	5.00				LID not found	Other
15378	786262	Hs.17649	AA480825	30.43	39.02	8.00	4.00	X	320.23	Forekin	Heart	Placenta
15402	254028	Hs.23643	N22323	48.05	10.48	12.00	0.00	X	313.84	Ear	Forekin	Blood
15422	773443	Hs.23786	AA400292	88.29	6.53	8.00	0.00				Forekin	Skin
15428	486516	Hs.23871	AA426022	42.71	20.06	9.00	3.00	5	578.04	Whole embryo	Colon	Pancreas
15435	731311	Hs.17872	AA044555	11.20	42.71	21.00	4.00	12	210.09	Parathyroid	CNS	Whole embryo
15472	135811	Hs.93675	R33963	25.44	20.36	8.00	2.00	3	405.63	Neural	Stomach	Forekin
15538	742672	Hs.97722	AA401370	110.86	124.57	9.00	6.00	10	254.83	Testis	Esophagus	Umbilical cord
15559	798408	Hs.72660	AA459345	10.58	23.49	10.00	1.00				Pool	LID not found
15608	290189	Hs.12636	N94374	93.07	105.78	9.00	6.00	12	398.05	Small intestine	Brain	CNS
15614	285155	Hs.173560	N71920	48.47	19.20	13.00	2.00				Ear	LID not found
15622	286788	Hs.178452	N74075	60.36	8.44	9.00	0.00	5	524.57	Pool	LID not found	Other
15653	768445	Hs.9388	AA485938	14.19	18.18	10.00	0.00				Spleen	Pancreas
15658	461425	Hs.154156	AA4705225	220.64	11.04	8.00	2.00					
15687	767181	Hs.135141	AA424574	36.47	10.50	11.00	1.00	6	531.76		Forekin	Whole embryo
15690	1435862	Hs.177543	AA937695	320.48	35.97	11.00	5.00				Umbilical cord	Synovial mem
15670	766265	Hs.173416	AA451844	103.35	22.32	19.00	1.00	11	47.21	Umbilical cord	Spleen	Brain

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15690	726791	Hs.95867	AA398406	50.81	0.55	92.38	9.00	6.00	9	331.15	Head and nec Blood	Pooled
15695	640446	Hs.705627	AA206914	235.50	0.86	273.78	9.00	6.00	12	347.38	Testis	LID not found Other
15705	767291	Hs.65593	AA418403	10.03	0.10	100.26	9.00	6.00	12	20.36	Kidney	Pool Lung
15712	471725	Hs.198443	AA035450	75.83	2.47	30.70	13.00	5.00	3	283.18	Neural	Cervix Parathyroid
15715	42864	Hs.169825	R61877	14.70	1.56	9.45	7.00	3.00	X	283.18	Brain	LID not found Other
15741	768373	Hs.87016	AA425107	47.04	4.97	9.46	6.00	2.00	8	283.18	Testis	Kidney Parathyroid
15764	347498	Hs.142019	W81658	29.33	1.66	17.67	11.00	1.00	9	25.28	Heart	LID not found
15780	346997	Hs.58559	W78445	536.24	1.53	351.34	23.00	6.00	14	117.85	Forebrain	Whole embryo Pooled
15790	789152	Hs.173536	AA461078	129.39	3.95	32.79	20.00	2.00	6	613.2	Cervix	Testis
15820	628585	Hs.86596	AA191573	36.45	1.00	38.45	5.00	2.00	10	305.98	Adipose	Pool
15904	1046894	Hs.111591	AA820807	24.58	1.00	24.58	11.00	6.00	8	144.34	Stomach	Testis
15910	784785	Hs.100261	AA447504	89.59	1.56	57.43	17.00	7.00	10	305.98	Ear	Aorta
15915	416113	Hs.109333	W85900	197.22	4.22	46.73	21.00	6.00	8	144.34	Pool	Kidney Testis
15928	757143	Hs.76277	AA443938	27.34	0.52	52.41	14.00	6.00	5	355.28	Pool	Colon
15957	247882	Hs.191356	N68276	65.25	0.26	325.62	9.00	6.00	3	404.13	LID not found Other	Heart
15984	753982	Hs.78882	AA478987	83.47	2.11	39.56	17.00	4.00	17	24.51	Thymus	Breast
16037	817307	Hs.971776	AA447724	21.72	0.55	39.49	7.00	3.00	17	24.51	Whole embryo Eye	Germ Cell
16039	1470333	Hs.24957	AA866113	10.35	0.01	1034.52	14.00	0.00	9	327.05	Epiphyseal	Larynx
16048	432184	Hs.6413	AA678414	36.82	1.34	27.49	10.00	1.00	8	579.17	Small intestine Liver	Spleen
16052	213607	Hs.162740	H72098	34.70	2.21	15.70	11.00	0.00	5	579.17	Ovary	Stomach
16055	1470048	Hs.77667	AA855464	37.10	0.55	87.46	8.00	8.00	1	678.07	Colon	Synovial mem Lymph
16063	1475933	Hs.118796	AA872001	140.17	1.76	9.50	9.00	2.00	10	543.92	Germ Cell	Whole embryo
16067	768590	Hs.123039	AA425116	24.97	0.53	47.29	9.00	6.00	10	125.94	Breast	Brain
16080	436094	Hs.101850	AA770032	418.76	4.04	103.59	9.00	5.00	16	482.73	Tonsil	Blood
16103	1475746	Hs.180248	AA873762	78.95	6.41	12.32	5.00	4.00	17	432.82	Prostate	Umbilical cord Blood
16110	35357	Hs.23945	R62460	37.61	5.42	9.88	12.00	0.00	10	681.39	Uterus	Whole embryo
16166	757435	Hs.55999	AA437224	32.62	3.24	9.88	6.00	2.00	17	70.66	Prostate	Blood
16236	842840	Hs.153873	AA466277	175.91	16.00	11.73	5.00	1.00	2	409.98	Uterus	Umbilical cord Blood
16273	624887	Hs.65021	AA181898	43.20	3.66	11.19	5.00	0.00	10	125.94	Thymus	Foreskin
16308	128058	Hs.25530	R09729	48.31	1.00	48.31	13.00	1.00	16	482.73	Small intestine Adipose	Nose
16319	627039	Hs.8850	AA190993	44.34	1.55	28.65	12.00	3.00	17	432.82	Spleen	Umbilical cord CNS
16348	785571	Hs.13015	AA449438	87.10	7.89	11.04	6.00	0.00	1	681.39	Whole embryo Lung	Brain
16372	796550	Hs.121849	AA460542	243.58	21.32	11.43	7.00	0.00	4	409.98	Head and nec Germ Cell	Pancreas
16433	757289	Hs.9396	AA418419	51.36	5.26	9.78	5.00	0.00	2	409.98	Head and nec Germ Cell	Pancreas
16434	768330	Hs.21939	AA398335	63.17	0.76	82.63	11.00	5.00	9	150.73	Bone	Uterus
16436	1486082	Hs.1690	AA336757	14.88	1.00	14.88	7.00	2.00	9	150.73	Foreskin	Eye
16444	1486083	Hs.1722	AA336768	31.18	0.15	201.84	23.00	4.00	6	130.08	Whole embryo Parathyroid	Prostate
16447	890206	Hs.26453	AA598595	128.54	12.45	10.17	6.00	0.00	8	130.08	Placenta	Whole embryo Bone
16480	1371759	Hs.82321	AA458738	51.20	2.82	18.54	5.00	5.00	6	38.08	Peripheral not ignore	Ear
16510	796602	Hs.121042	AA478470	48.02	2.47	18.41	5.00	0.00	16	405.4	Blood	Ovary
16514	897518	Hs.29640	AA498930	17.67	1.54	11.47	5.00	0.00	16	405.4	Whole embryo Brain	LID not found
16554	811121	Hs.184779	AA485688	13.58	0.10	135.84	9.00	6.00	16	405.4	Whole embryo Brain	LID not found
16555	770854	Hs.110820	AA427737	15.85	0.51	31.06	7.00	8.00	16	405.4	Whole embryo Brain	LID not found
16582	786123	Hs.101265	AA460563	11.88	0.93	12.40	8.00	1.00	16	405.4	Whole embryo Brain	LID not found
16571	586255	Hs.169982	AA137058	76.30	6.65	11.47	8.00	2.00	16	405.4	Whole embryo Brain	LID not found
16573	843098	Hs.76516	AA488676	212.59	7.04	30.22	9.00	0.00	16	405.4	Whole embryo Brain	LID not found
16724	687297	Hs.20843	AA235116	54.48	1.00	54.48	21.00	2.00	7	115.8	Pooled	Germ Cell
16767	786488	Hs.96500	AA452542	13.95	0.74	18.87	7.00	6.00	7	115.8	Placenta	Whole embryo
16773	293635	Hs.151490	N63807	251.11	15.45	16.25	5.00	0.00	7	115.8	Pool	LID not found Other
16792	754157	Hs.124874	AA478775	25.68	2.48	10.37	6.00	0.00	7	115.8	Aorta	Tonsil
16803	823578	Hs.152223	AA497040	14.19	0.01	1419.38	15.00	1.00	15	116.38	Cervix	Pooled
16807	1476053	Hs.153667	AA473056	37.58	4.57	8.23	6.00	1.00	15	116.38	Germ Cell	Colon
16816	448386	Hs.171660	AA778198	55.75	6.80	8.20	6.00	0.00	15	116.38	Germ Cell	Colon
16848	450060	Hs.194272	AA703392	81.82	4.59	17.78	6.00	4.00	X	159.65	Stomach	Brain
16860	184022	Hs.3763	H26119	14.11	0.14	100.35	9.00	6.00	X	159.65	Brain	Pool
16867	53182	Hs.200016	R16150	16.23	1.00	16.23	9.00	1.00	X	159.65	Brain	LID not found

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16877	823836	Hs.105403	AA409888	13.75	0.69	19.80	5.00	0.00	12	250.83	Brain	LID not found	Other
16878	38072	Hs.24973	R48013	17.69	0.55	32.05	5.00	0.00			Adipose	CNS	Brain
16882	28251	Hs.20159	R41389	11.62	0.19	60.20	8.00	6.00			Brain	LID not found	Other
16886	450711	Hs.79018	AA704439	16.14	1.00	10.14	6.00	6.00			Somach	Kidney	Eye
16891	53255	Hs.12457	R16157	38.76	2.28	18.96	9.00	4.00	1	726.68	Synovial mem	Uterus	-
16898	73924	Hs.24872	AA398633	22.10	1.79	12.38	5.00	4.00	10	536.56	Ear	Cervix	Forebrain
16938	827521	Hs.10762	AA192784	10.37	0.55	18.85	9.00	6.00			Lung	LID not found	Other
16948	306229	Hs.54751	N91914	47.89	1.80	25.27	17.00	6.00	3	333.97	Head and neck	Whole embryo	Uterus
17015	504705	Hs.220028	AA142888	73.99	6.50	11.39	6.00	0.00	2	320.41	Aorta	Umbilical cord	-
17028	121436	Hs.220287	T97458	78.50	4.71	16.67	6.00	0.00	2	144.11	Bone marrow	Ear	Spleen
17063	503671	Hs.107884	AA131421	93.83	10.78	8.71	5.00	1.00	21	201.27	Ignore	Aorta	Liver
17073	839081	Hs.67364	AA487608	247.87	27.24	8.10	11.00	0.00	6	886.82	Thyroid	Placenta	Germ Cell
17088	296556	Hs.203411	N73838	192.03	2.29	84.04	21.00	2.00	2	153.18	Brain	Kidney	Heart
17095	53039	Hs.104576	R15740	15.51	0.42	37.20	9.00	6.00	11	617.63	Pool	LID not found	Other
17108	429878	Hs.60532	AA011593	62.89	4.00	15.74	11.00	6.00	2	72.01	Bone	Blood	Pooled
17108	37986	Hs.26860	R61395	12.79	0.13	84.95	13.00	6.00	4	70.59	Spleen	Uterus	Pancreas
17145	73609	Hs.40968	T55714	57.17	3.04	18.81	7.00	5.00	14	630.01	Smooth muscle	Aorta	Eye
17151	764378	Hs.146688	AA435183	58.65	4.80	12.22	11.00	3.00	1	180.13	Ignore	Nose	Liver
17156	50954	Hs.180141	AA070435	26.78	0.43	62.07	9.00	6.00	14	802.7	Larynx	Pancreas	Aorta
17159	796513	Hs.84549	AA460251	64.46	0.55	117.21	9.00	6.00	6	-6.83	Whole embryo	Brain	LID not found
17171	1055278	Hs.130689	AA621478	22.35	1.09	20.67	14.00	4.00	10	CNS	Whole embryo	Testis	Other
17175	752698	Hs.197277	AA417587	43.52	4.55	9.56	6.00	0.00			Whole embryo	LID not found	Other
17180	767058	Hs.44155	AA424504	136.74	11.51	11.88	5.00	0.00			CNS	Whole embryo	Testis
17184	38588	Hs.20996	R49102	57.13	0.10	571.30	9.00	6.00			Whole embryo	LID not found	Other
17206	785812	Hs.24181	AA478474	35.08	3.00	8.36	5.00	0.00			CNS	LID not found	Other
17230	786557	Hs.99258	AA451888	145.30	4.81	30.23	12.00	4.00			Whole embryo	Uterus	Pool
17245	811738	Hs.195536	AA465255	11.94	0.73	16.47	5.00	0.00	17	83.8	CNS	Pool	Whole embryo
17248	1343732	Hs.2420	AA125564	10.22	0.14	70.92	7.00	6.00			Whole embryo	Uterus	Pool
17285	278809	Hs.161466	N66590	44.64	0.29	151.48	23.00	4.00			Whole embryo	Uterus	Pool
17303	488246	Hs.214890	AA088177	159.58	2.63	60.78	23.00	4.00	1	226.52	Smooth muscle	Spleen	CNS
17311	299629	Hs.49285	N75004	17.35	0.55	31.64	8.00	2.00	2	747.75	CNS	Prostate	Breast
17323	284542	Hs.159572	N59438	41.38	1.00	41.38	9.00	4.00	3	397.69	Placenta	Cervix	Bone
17410	784200	Hs.99283	AA445859	57.13	2.11	27.02	6.00	3.00	2	136.63	Parathyroid	Placenta	Nose
17451	591095	Hs.215284	AA158346	96.63	1.50	64.19	9.00	6.00	17	308.68	Ignore	Heart	Heart
17470	897731	Hs.24212	AA588985	86.28	0.92	12.47	8.00	0.00	10	508.93	Uterus	Parathyroid	Eye
17474	839672	Hs.206874	AA490120	179.28	4.80	37.33	7.00	2.00			Liver	Eye	Ovary
17488	784200	Hs.21247	AA478784	12.16	0.60	20.20	5.00	0.00			Aorta	Gall bladder	Thyroid
17509	284664	Hs.49075	N64817	46.19	1.00	46.19	19.00	5.00	17	391.47	Esophagus	Skin	Pooled
17511	753907	Hs.215113	AA479351	40.98	1.00	40.98	8.00	1.00			Brain	Pancreas	Heart
17546	131979	Hs.8136	R32440	240.42	8.56	28.07	14.00	2.00	1	27.1	Synovial mem	Pooled	Breast
17562	171916	Hs.31522	H18963	30.09	0.01	3008.73	11.00	0.00	9	250.9	Trachea	Esophagus	Nose
17575	1456120	Hs.197868	AA862435	14.72	0.61	24.19	5.00	1.00	19	137.74	Adrenal gland	Breast	Pool
17580	382278	Hs.189781	AA001219	17.11	0.25	69.01	9.00	6.00	12	215.52	Brain	LID not found	Other
17581	823688	Hs.25253	AA489536	51.31	3.04	16.85	10.00	3.00	5	123.85	Umbilical cord	Pancreas	Ovary
17600	451855	Hs.196000	AA706579	13.20	1.30	10.15	5.00	0.00			Note	Total	Parathyroid
17608	451871	Hs.9018	AA706935	12.20	0.47	26.11	8.00	6.00					
17612	235882	Hs.7835	H52232	189.36	10.64	17.51	10.00	2.00					
17614	38347	Hs.106309	R49439	54.83	3.72	14.75	15.00	3.00					
17618	29827	Hs.6987	H42317	16.62	1.00	16.62	7.00	2.00					
17623	1473274	Hs.9615	AA877168	295.00	2.64	111.87	5.00	4.00					
17636	724960	Hs.219381	AA291494	20.99	2.13	9.84	5.00	0.00					
17645	823811	Hs.63382	AA490278	74.63	2.69	27.74	14.00	3.00					
17651	27333	Hs.25214	R37079	12.65	1.00	12.65	6.00	2.00					
17655	1493383	Hs.214559	AA494694	27.15	0.55	49.37	7.00	6.00					
17681	823850	Hs.72217	AA490456	185.53	8.78	18.88	17.00	6.00					
17684	453183	Hs.3787	AA700222	11.77	1.00	11.77	7.00	6.00					
17726	251806	Hs.25993	H86647	47.91	0.10	479.12	5.00	6.00					

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17732	307328	Hs.9670	N93470	25.40	0.55	46.19	9.00	6.00	5	490.97	Nose	Larynx	Liver
17807	262060	Hs.216718	H98076	217.50	1.00	217.50	22.00	4.00			Brain	LID not found	Other
17811	41128	Hs.26622	R59118	75.74	1.00	75.74	9.00	4.00	7	115.92	Brain	Kidney	Whole embryo
17911	785930	Hs.77637	AA449704	20.62	2.13	9.70	6.00	1.00					
17923	75644	Hs.189886	T58430	56.40	1.54	30.80	8.00	6.00			Brain	LID not found	Other
17929	49636	Hs.32459	H29207	15.27	1.00	15.27	8.00	4.00	7	426.34	Ovary	Liver	Breast
17931	82566	Hs.187248	T73294	18.07	0.10	190.71	9.00	6.00				LID not found	Other
17942	737257	Hs.97411	AA428092	18.63	0.89	21.16	8.00	0.00			Testis	LID not found	Other
17968	769532	Hs.100515	AA428216	100.08	1.00	100.08	9.00	8.00	19	301.37	Ovary	Spleen	Blood
17987	811785	Hs.8637	AA463463	34.68	2.00	17.34	7.00	8.00			Spleen	Uterus	Pooled
18011	43815	Hs.101643	H05741	79.24	0.07	1068.38	9.00	6.00	19	182.31	Tonsil	Lung	Brain
18016	1393018	Hs.331	AA843718	13.50	0.08	178.98	8.00	5.00	19	216.64	Skin	Lymph	Brain
18018	43828	Hs.205678	AA83718	21.31	1.82	13.17	7.00	1.00	12	22.38	Thymus	Eye	Breast
18028	266720	Hs.154729	H02569	11.09	0.55	20.17	6.00	2.00			Ignore	Esophagus	Gall bladder
18034	785368	Hs.220354	AA476576	53.87	4.32	12.45	6.00	1.00			Blood	Tonsil	Whole embryo
18050	838446	Hs.31287	AA457501	143.27	9.89	14.79	8.00	1.00	2	557.67	Small intestine	Adrenal gland	
18071	627351	Hs.49500	AA180789	154.19	5.50	28.05	9.00	3.00	4	104.13	Small intestine	Cervix	
18090	737191	Hs.85998	AA413866	289.54	23.10	12.54	6.00	1.00	2	631.79	Testis	Pool	LID not found
18092	418159	Hs.6139	V60586	30.26	1.00	30.25	6.00	0.00			Synovial men	Brain	Eye
18230	843041	Hs.102773	AA488418	104.98	8.94	11.74	7.00	1.00	9	347.26	Ear	Stomach	Placenta
18237	595162	Hs.64318	AA173755	72.40	6.84	10.43	10.00	0.00	3	219.97	Ear	Spleen	Muscle
18334	1031595	Hs.112715	AA509483	12.07	0.10	120.68	6.00	0.00			Testis	LID not found	Other
18342	36598	Hs.218254	R49126	10.99	0.55	19.99	7.00	0.00	12	124.55	Brain	Tonsil	LID not found
18348	769542	Hs.75655	AA426212	170.55	0.14	1252.73	9.00	6.00	17	531.11	Esophagus	Skin	Smooth muscle
18364	765762	Hs.180377	AA466452	37.94	0.31	121.50	9.00	6.00	17	320.39	Lymph node	Ovary	Esophagus
18390	769565	Hs.40500	AA425621	77.96	3.39	22.86	7.00	4.00	1	14.16	Parathyroid	Lung	Pancreas
18396	810859	Hs.159161	AA459400	43.75	0.10	437.48	9.00	6.00	17	537.42	Synovial men	Ovary	Blood
18404	811050	Hs.214277	AA485429	12.74	0.29	43.50	7.00	8.00	1	-12.22	Blood	Pool	Nose
18423	1472689	Hs.182776	AA873159	343.81	8.30	41.45	12.00	5.00	19	17.13	Eye	Gall bladder	Thymus
18427	530608	Hs.187932	AA071089	34.95	0.21	164.94	9.00	6.00	17	350.76	Pool	Heart	LID not found
18435	205582	Hs.78634	H58175	97.69	1.72	58.78	5.00	1.00	4	233.02	Gall bladder	Uterus	Muscle
18439	245890	Hs.218507	N55357	65.33	0.61	108.43	9.00	6.00	14		Brain	Colon	Whole embryo
18452	489535	Hs.69285	AA099667	30.61	3.19	9.61	9.00	1.00					
18612	435732	Hs.26373	AA700770	13.43	0.06	241.17	8.00	6.00					
18623	416374	Hs.11663	W86202	332.48	6.23	53.34	19.00	6.00					
18653	505304	Hs.145233	AA778278	28.04	2.16	13.01	5.00	1.00	X	138.23	Head and nec	Parathyroid	Foreskin
18685	824843	Hs.111497	AA486865	59.85	0.55	108.82	9.00	6.00					
18697	505924	Hs.12124	AA778286	20.56	0.10	205.63	8.00	6.00					
18871	508018	Hs.104718	AA708440	107.22	4.85	23.04	5.00	2.00	19	230.43	Skin	Umbilical cord	Parathyroid
18890	810550	Hs.78486	AA464557	59.90	0.96	62.57	9.00	4.00					
18892	361363	Hs.173095	AA017706	76.84	0.10	772.85	9.00	6.00	6	369.49	T-thyroid	Foreskin	
18708	42070	Hs.153952	R60343	229.06	1.63	140.80	18.00	3.00					
18707	132878	Hs.180381	R25652	20.36	1.59	12.81	6.00	1.00			Eye	Pool	LID not found
18716	361291	Hs.114761	AA017466	14.82	1.00	14.82	6.00	0.00	1	666.91	Epididymis	Small intestine	Nose
18722	774078	Hs.750386	AA441933	11.06	1.26	6.77	5.00	0.00	15	205.34	Whole embryo	Prostate	Pool
18734	191850	Hs.117815	H38572	14.40	1.74	6.30	5.00	0.00			Eye	Prostate	LID not found
18758	361642	Hs.33827	W06174	13.08	0.53	24.49	9.00	5.00	15	185.59	Placenta	Pool	Aorta
18767	148954	Hs.759246	H13181	73.32	1.00	73.32	23.00	6.00	17	482.18	Ovary	Pooled	Heart
18769	765599	Hs.10645	AA444053	17.04	0.55	30.98	7.00	6.00	16	53.51	Smooth muscle	Pancreas	Blood
18801	789968	Hs.211964	AA427415	16.64	0.10	166.37	8.00	6.00					
18804	451546	Hs.183639	AA4707400	53.86	3.75	14.35	5.00	3.00			Thyroid	Testis	Kidney
18816	454446	Hs.105343	AA677309	11.90	0.43	27.82	9.00	6.00	2	308.02	Blood	Pooled	Muscle
18904	826355	Hs.74659	AA521036	56.41	4.93	11.86	8.00	1.00			397.41	Aorta	Ear
18930	498931	Hs.214449	AA101875	149.77	11.78	12.71	6.00	3.00	5	543.92	Tonsil	Prostate	Colon
18946	489755	Hs.219961	AA099554	42.69	2.84	15.02	16.00	2.00	10	173.59	Stomach	Nose	Prostate
18868	814287	Hs.59742	AA459013	17.14	1.78	9.84	5.00	0.00					
18970	502177	Hs.78344	AA128988	36.26	1.55	23.35	18.00	0.00	18				

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18006	814773	Hs.149443	A4456950	14.20	0.16	91.31	8.00	6.00	3	159.88	CNS	Tonsil	Pancreas
18042	291272	Hs.218821	N72217	10.11	0.14	59.95	9.00	6.00	22	143.5	Head and nec	Whole embryo	Kidney
18058	291557	Hs.219881	N72688	12.86	0.46	27.47	8.00	6.00	19	105.87	Forebrain	Pancreas	Cervix
18091	309447	Hs.8789	N94344	23.77	2.34	10.14	8.00	3.00			Spleen		Uterus
19119	505575	Hs.23918	A4708508	81.95	5.65	10.88	15.00	5.00					
19141	825229	Hs.19077	AA504139	28.50	0.10	284.86	9.00	6.00	11	249.74	Gall bladder	Thyroid	Pooled
18142	703927	Hs.106709	AA278842	19.35	0.10	193.53	9.00	6.00	11	240.15	Tonsil		Eye
19144	814416	Hs.202972	AA458928	25.86	1.66	13.10	8.00	0.00	6	458.68	Forebrain	Eye	Whole embryo
19160	40026	Hs.20433	R53842	46.33	0.24	192.51	9.00	0.00	4	683.55	Stomach	Sun	Muscle
19238	194717	Hs.34333	R89846	13.27	1.01	13.10	10.00	0.00	18	402.86	Pool	LID not found	Other
19246	194811	Hs.20526	R89765	31.04	2.45	12.65	14.00	0.00	1	241.16	Pool	LID not found	Other
19345	324634	Hs.216643	H16789	11.48	0.10	114.82	9.00	0.00			Synovial mem	Pancreas	Breast
18394	506368	Hs.62041	AA709414	98.71	10.94	9.02	7.00	0.00	12	313.98	Breast		Whole embryo
19404	162077	Hs.32185	H26271	26.12	2.75	9.51	5.00	2.00	2	356.2	Pool	Tonsil	
19427	297803	Hs.213864	H88859	60.24	1.54	52.17	6.00	0.00	5	372.68	CNS	Stomach	Kidney
19446	824025	Hs.214756	AA460945	60.13	5.92	10.16	6.00	0.00			Larynx	Adrenal gland	Pooled
19454	824109	Hs.34871	AA460805	42.48	2.96	14.33	10.00	3.00					
18482	1032431	Hs.99948	AA779480	21.28	0.43	49.62	7.00	4.00	17	88.85	Placenta	Blood	Lung
18482	435890	Hs.189269	AA701411	70.96	2.86	23.88	8.00	1.00	15	65.19	Stomach	Bone	Forebrain
18503	417706	Hs.20432	W89107	13.09	0.35	37.78	8.00	6.00	19	235.13	Ovary	Uterus	Cobon
18531	324513	Hs.216036	W51909	103.08	0.63	162.42	23.00	6.00	5	583.22	-	Adipose	Liver
19533	725549	Hs.44281	AA293448	10.47	0.48	11.71	7.00	6.00	2	228.15	Kidney	Testis	Muscle
19555	324674	Hs.20444	W47106	75.18	6.75	11.13	13.00	4.00	7	516.76	Germ Cell	Pool	LID not found
19619	745314	Hs.17368	AA625581	27.87	1.19	23.37	8.00	5.00	5	632.21			LID not found
19630	704076	Hs.200451	AA279172	82.72	5.80	14.27	5.00	0.00					
18634	253924	Hs.157124	N63940	10.10	0.58	17.37	6.00	0.00					
19650	811770	Hs.214433	AA483446	37.18	0.55	67.61	9.00	3.00	3	346.72	Bone	CNS	Aorta
19655	150126	Hs.217126	H01915	21.53	1.85	13.04	7.00	0.00			Forebrain	Adrenal gland	Prostate
19658	1046495	Hs.166554	AA621138	59.41	2.85	20.87	14.00	1.00			Neural	Thyroid	Thyroid
19674	847866	Hs.124778	AA205403	13.33	0.27	49.99	7.00	1.00	8	45.68	Nose	Heart	Pancreas
19740	451788	Hs.107254	AA705804	11.82	0.10	118.17	9.00	6.00	5	580.59	Aorta	Ear	Thyroid
19770	281908	Hs.412771	N51859	88.00	1.00	86.00	18.00	4.00	5	583.17	Whole embryo	Germ Cell	Ovary
19789	296837	Hs.216828	N26008	14.44	1.00	14.44	5.00	4.00	3	418.74	Cervix	Spleen	Kidney
19837	855143	Hs.23047	AA630221	65.28	8.71	7.50	5.00	0.00	9	20.09	Eye	Brain	
19858	824647	Hs.22787	AA491287	32.01	0.39	82.32	9.00	6.00	7				
19861	855422	Hs.8175	AA664020	88.75	2.17	40.98	20.00	2.00					
19869	855510	Hs.5307	AA664237	83.17	3.85	21.06	5.00	1.00					
19872	824510	Hs.9825	AA480522	40.11	0.74	54.42	9.00	5.00					
19882	773322	Hs.187278	AA425419	46.42	3.93	11.81	5.00	0.00					
19887	294092	Hs.218172	N68510	12.62	0.33	38.44	9.00	6.00	5	511.78	Nose	Blood	Lung
19903	186623	Hs.162874	R88947	26.22	4.11	6.39	8.00	0.00			Colon	Adipose	Thyroid
19940	185828	Hs.94231	R88947	14.68	0.14	101.61	7.00	6.00	12	479.72	Omentum	Muscle	
19958	826089	Hs.13572	AA521411	63.82	1.00	63.82	8.00	5.00			Whole embryo	Parathyroid	Forebrain
19982	878596	Hs.17109	AA775257	64.57	3.25	19.90	18.00	6.00					
19978	324717	Hs.217516	W47354	63.84	7.76	8.20	12.00	0.00					
19994	256983	Hs.78592	N30225	25.96	0.55	47.21	7.00	6.00					
20047	430558	Hs.213489	AA677716	69.12	1.70	40.78	22.00	5.00					
20057	745514	Hs.187386	AA626237	27.24	1.00	27.24	5.00	6.00					
20081	825847	Hs.4894	AA626335	10.75	0.10	107.48	9.00	6.00					
20087	826133	Hs.11221	AA504780	28.15	3.57	7.88	8.00	0.00					
20126	195971	Hs.218872	AA521345	21.06	1.33	15.84	8.00	0.00					
20134	196168	Hs.34421	R91387	19.38	2.16	8.98	7.00	0.00	5	586.99	Pool	LID not found	Other
20134	196168	Hs.34576	R92362	12.75	1.46	8.74	7.00	0.00	7	127	Pool	LID not found	Other
20175	151055	Hs.218464	H02231	157.33	1.00	157.33	9.00	2.00	6	201.27	Ignore	Aorta	Liver
20183	151057	Hs.10653	H02039	73.92	3.32	22.25	19.00	5.00	X	281.38	Testis	Ovary	Uterus
20202	876545	Hs.75458	AA775874	1215.07	11.54	105.25	9.00	6.00					
20226	431805	Hs.8116	AA706967	11.30	0.01	1128.93	14.00	0.00					

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20232	704518	Hs.84635	AA270533	60.74	6.03	10.08	6.00	0.00	1	293.57 Ear	Foreskin	Kidney
20261	269269	Hs.12427	N26658	75.02	3.34	22.46	7.00	6.00	2	465.9 Foreskin	LID not found	Other
20281	269425	Hs.114362	N2611	221.91	2.87	77.31	22.00	4.00	1	412.54 Aorta	Neural	Bone
20295	435145	Hs.119913	AA703504	20.19	0.98	20.63	9.00	1.00	12	220.06 Smooth musc	Colon	Parathyroid
20305	855707	Hs.204154	AA683941	52.21	4.63	10.61	6.00	0.00	1	411.83 Spleen	Tonsil	Colon
20333	888472	Hs.36035	AA634261	200.12	1.00	20.12	8.00	2.00	2	Parathyroid	Pooled	Testis
20338	824911	Hs.58112	AA189022	35.77	0.10	367.75	9.00	6.00	1	Lymph node	Stomach	Blood
20340	845078	Hs.68112	AA197334	189.64	5.10	37.20	8.00	6.00	11	Pancreas	Blood	Colon
20342	824813	Hs.99807	AA489023	16.93	1.00	16.93	8.00	0.00	2	Brain	Adrenal gland	CNS
20348	826301	Hs.168637	AA521015	19.71	1.00	19.71	6.00	5.00	3	191.7 Bone	Tonsil	Parathyroid
20367	294928	Hs.215123	N71461	35.24	0.71	51.16	8.00	8.00	19	34.81 Spleen	Blood	Adrenal gland
20412	162288	Hs.103521	R03506	10.49	0.09	110.61	6.00	6.00	3	636 Pool	LID not found	Other
20426	32596	Hs.8077	R43804	13.27	1.73	7.67	5.00	0.00	9	Eye	Foreskin	Whole embryo
20460	449044	Hs.22826	AA777400	28.72	0.01	2872.03	14.00	0.00	3	360.93	Whole embryo	Bone
20489	343974	Hs.17184	W70065	39.72	1.76	22.63	7.00	3.00	17	284.7 Placenta	Aorta	Bone
20504	450899	Hs.191901	AA704668	13.82	1.78	7.64	5.00	0.00	3	75.2 Nose	Pool	Germ Cell
20517	741842	Hs.70530	AA402875	28.57	0.28	102.57	8.00	8.00	17	103.69 Whole embryo	Ovary	Uterus
20588	197206	Hs.34024	R52812	15.46	1.22	12.70	6.00	0.00	17	104.79 Aorta	Kidney	Heart
20612	363124	Hs.118468	AA019209	71.54	9.74	7.35	5.00	0.00	9	Neural	Whole embryo	Breast
20622	197914	Hs.214329	R92335	81.22	0.06	1250.82	23.00	6.00	4	294.66 CNS	Brain	Lung
20623	151477	Hs.30343	H02837	23.09	0.39	58.77	7.00	0.00	7	425.18 Ovary	Germ Cell	Pleocenta
20650	360437	Hs.198010	AA054135	14.17	1.00	14.17	5.00	1.00	10	367.79 Eye	Colon	Parathyroid
20678	197727	Hs.15192	R54542	10.57	0.10	105.75	8.00	0.00	2	574.6 Larynx	CNS	Tonsil
20679	151786	Hs.11517	H04230	177.15	3.34	52.96	5.00	2.00	9	425.18 Ovary	Germ Cell	Parathyroid
20713	251569	Hs.42424	H07701	362.06	0.67	544.04	9.00	1.00	11	Neural	Bone	Germ Cell
20715	432075	Hs.165743	AA676286	11.31	0.55	20.56	8.00	6.00	7	Adipose	Larynx	Pancreas
20730	283748	Hs.4257	AA50742	15.47	1.00	15.47	7.00	0.00	10	367.79 Eye	Colon	LID not found
20750	452345	Hs.115617	AA700662	11.11	0.10	111.13	7.00	6.00	8	143.53 Head and nec	Ear	Parathyroid
20801	653367	Hs.217474	AA663308	37.99	3.23	11.70	9.00	4.00	9	356.18	Lymph node	Breast
20807	700332	Hs.35165	AA283710	17.81	0.73	24.47	6.00	2.00	8	419.64	Stomach	Germ Cell
20842	49389	Hs.108885	H99876	12.12	1.00	12.12	5.00	1.00	15	224.81	Tonsil	Foreskin
20846	263716	Hs.112244	H92504	45.28	0.34	321.33	9.00	6.00	12	226.12 Tonsil	Heart	Parathyroid
20866	854079	Hs.119000	AA689042	34.46	0.56	52.30	8.00	6.00	9	385.82 Head and nec	Colon	Cervix
20820	221707	Hs.112244	H92504	45.28	2.79	16.23	8.00	0.00	20	335.53 Tonsil	LID not found	Muscle
20865	397488	Hs.203482	AA701075	73.50	3.79	19.40	15.00	4.00	8	143.53 Head and nec	Ear	Parathyroid
21012	446384	Hs.121921	AA777435	31.24	1.02	30.65	8.00	0.00	9	356.18	Lymph node	Breast
21031	878301	Hs.25584	AA577435	50.00	1.16	43.28	8.00	4.00	8	419.64	Stomach	Germ Cell
21034	713130	Hs.6631	AA283001	45.31	3.36	13.48	7.00	0.00	15	224.81	Tonsil	Foreskin
21035	878316	Hs.109571	AA670286	23.72	1.00	23.72	8.00	6.00	12	226.12 Tonsil	Heart	Parathyroid
21060	815740	Hs.86429	AA485080	15.47	2.19	7.07	5.00	0.00	9	385.82 Head and nec	Colon	Cervix
21069	898098	Hs.173159	AA598766	67.47	4.50	14.99	7.00	1.00	20	335.53 Tonsil	LID not found	Muscle
21128	384257	Hs.64783	AA702104	18.00	0.81	22.35	16.00	2.00	8	143.53 Head and nec	Ear	Parathyroid
21136	137704	Hs.75074	R37986	13.11	1.00	13.11	7.00	0.00	9	356.18	Lymph node	Breast
21166	200336	Hs.22164	R96903	11.75	0.23	52.02	8.00	6.00	8	419.64	Stomach	Germ Cell
21190	303199	Hs.24507	N92783	24.05	3.25	7.41	10.00	3.00	15	224.81	Tonsil	Foreskin
21217	261827	Hs.194259	H89202	33.44	0.61	54.97	9.00	6.00	12	226.12 Tonsil	Heart	Parathyroid
21261	271115	Hs.109857	N34466	15.23	1.00	15.23	5.00	2.00	9	385.82 Head and nec	Colon	Cervix
21276	546807	Hs.12002	AA235667	12.01	0.89	13.52	8.00	6.00	20	335.53 Tonsil	LID not found	Muscle
21291	700724	Hs.87628	AA285128	41.20	2.17	18.65	8.00	1.00	8	143.53 Head and nec	Ear	Parathyroid
21301	884513	Hs.8141	AA630000	11.71	0.10	117.09	9.00	6.00	16	391.14	Synovial mem	Adipose
21320	221341	Hs.118494	H89955	31.44	0.10	314.39	9.00	6.00	3	143.85 Pooled	Liver	Eye
21338	1474174	Hs.111301	AA936799	175.37	1.74	100.72	10.00	4.00	10	654 Breast	Kidney	Tonsil
21360	275226	Hs.90462	R65503	11.60	1.00	20.86	8.00	4.00	4	183.25 Smooth musc	Tonsil	Uterus
21390	745342	Hs.70394	AA626255	63.80	3.06	71.60	6.00	3.00	14	103.31	Epididymis	Muscle
21518	746084	Hs.215258	AA482028	18.13	0.55	34.78	9.00	4.00	16	391.14	Synovial mem	Adipose
21534	746080	Hs.219739	AA482594	69.52	5.60	12.00	10.00	0.00	3	143.85 Pooled	Liver	Eye
21551	897252	Hs.100350	AA677640	82.00	2.53	32.38	10.00	6.00	10	654 Breast	Kidney	Tonsil

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N79230	DBEst	1241931
R01118	DBEst	750854
H51262	DBEst	991103
AA043334	DBEst	1521208
AA455210	DBEst	2177986
H11792	DBEst	876612
H62985	DBEst	1017331
AA457118	DBEst	2179838
AA425102	DBEst	2107172
W16724	DBEst	1291124
R73003	DBEst	847035
N54596	DBEst	1195916
AA434102	DBEst	2139016
H19439	DBEst	888134
H93328	DBEst	1099656
H48706	DBEst	988546
R38194	DBEst	795650
R76281	DBEst	850963
R19628	DBEst	774262
AA464566	DBEst	2189450
W49672	DBEst	1337927
AA454784	DBEst	2177560
H15215	DBEst	880035
N91887	DBEst	1264196
H65066	DBEst	1023806
AA400739	DBEst	2054627
W05628	DBEst	1278497
R02373	DBEst	752109
AA478724	DBEst	2207358
AA448207	DBEst	2161877
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T62547	DBEst	666204
AA486324	DBEst	2215130
AA449459	DBEst	2162850
N54596	DBEst	1195916
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AA001614	DBEst	1445191
R13546	DBEst	766622
AA490946	DBEst	2220119
AA464856	DBEst	2189740
W39343	DBEst	1321069
AA401035	DBEst	2054911
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AA459292	DBEst	2184199
N34117	DBEst	1154517
AA448194	DBEst	2161864
AA412053	DBEst	2070642
AA490267	DBEst	2219440
AA425139	DBEst	2107410
AA504554	DBEst	2240714
H60549	DBEst	1013381
T70057	DBEst	681205
AA598836	DBEst	2432508
H81220	DBEst	1059309
AA425352	DBEst	2107221
AA598611	DBEst	2432194

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AA219060	DBEst	1833179
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R36415	DBEst	793316
H91281	DBEst	1081711
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W70189	DBEst	1379450
N64734	DBEst	1212563
T67069	DBEst	676509
T96711	DBEst	735335
T67022	DBEst	676462
R39405	DBEst	796861
T66180	DBEst	675225
AA010158	DBEst	1471205
N74055	DBEst	1231340
T89996	DBEst	718509
AA459901	DBEst	2183347
AA504772	DBEst	2240932
H48360	DBEst	986747
H40449	DBEst	916501
R92865	DBEst	965219
H48711	DBEst	988551
N76608	DBEst	1239186
R51052	DBEst	812954
R92962	DBEst	965316
N74365	DBEst	1231650
R60006	DBEst	830701
W33021	DBEst	1315158
R93007	DBEst	965361
N27159	DBEst	1141507
AA434487	DBEst	2139401
AA026831	DBEst	1493040
H67988	DBEst	1026728
W23757	DBEst	1300591
R26960	DBEst	783095
H17882	DBEst	884122
AA434504	DBEst	2139418
R66310	DBEst	838948
R01139	DBEst	750875
T99236	DBEst	748973
R01428	DBEst	751164
T85698	DBEst	714050
AA169807	DBEst	1748232
N75745	DBEst	1238323
N54344	DBEst	1195664
AA489743	DBEst	2219345
AA053051	DBEst	1544190
H17504	DBEst	883744
R47979	DBEst	810005
AA424743	DBEst	2106939
AA476272	DBEst	2204483
R59062	DBEst	829757
R77251	DBEst	851883
AA406601	DBEst	2064611
T70098	DBEst	681246

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA485626	DBEst	2214845
AA465611	DBEst	2191778
AA401236	DBEst	2055125
AA130846	DBEst	1692334
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AA167222	DBEst	1745599
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AA487370	DBEst	2217534
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AA158990	DBEst	1733783
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AA459247	DBEst	2184154
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H81010	DBEst	1059099
R89904	DBEst	954731
R16596	DBEst	770206
H63357	DBEst	1018158
R66219	DBEst	838857
AA449048	DBEst	2163068
R54664	DBEst	819122
H51765	DBEst	991606
H03208	DBEst	866141
R83407	DBEst	928284
N73551	DBEst	1230836
AA410207	DBEst	2069168
T97215	DBEst	735839
AA125825	DBEst	1685546
T83558	DBEst	711846
R96525	DBEst	982185
R78509	DBEst	854790
W32884	DBEst	1314939
T82819	DBEst	711107

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N91307	DBEst	1444634
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AA131464	DBEst	1693087
AA459310	DBEst	2184217
H23235	DBEst	891930
N47468	DBEst	1188634
N77617	DBEst	1240318
AA447974	DBEst	2161644
AA453498	DBEst	2167167
T74192	DBEst	690867
N70492	DBEst	1227072
AA458959	DBEst	2183866
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N58163	DBEst	1202053
W47350	DBEst	1332058
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AA454681	DBEst	2177457
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H62387	DBEst	1015219
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W65461	DBEst	1373465
AA427595	DBEst	2111446
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H25546	DBEst	894669
R61674	DBEst	832369
R17717	DBEst	771327
AA464470	DBEst	2189354
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AA495985	DBEst	2229306
H96235	DBEst	1109377
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N80741	DBEst	1243442

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H20908	DBEst	889603
H98636	DBEst	1123304
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H27912	DBEst	898265
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AA025937	DBEst	1491436
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T47229	DBEst	649211
AA252318	DBEst	1887280
T63686	DBEst	667551
AA161465	DBEst	1735904
AA486289	DBEst	2216505
AA465386	DBEst	2191553
N39161	DBEst	1162368
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AA599092	DBEst	2432717
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H61449	DBEst	1014281
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AA460286	DBEst	2185102
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R99288	DBEst	985889
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H69048	DBEst	1030298
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N77203	DBEst	1239781
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R93153	DBEst	967319
W95063	DBEst	1424251
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H20138	DBEst	888833
H75490	DBEst	1050127
R22439	DBEst	777220
R87777	DBEst	946590
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N69204	DBEst	1225365
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AA463610	DBEst	2188494
AA112660	DBEst	1665361
H48097	DBEst	924149
AA406420	DBEst	2064458
T53775	DBEst	655636
R52789	DBEst	814691
N52474	DBEst	1193640
H79047	DBEst	1057136
AA456321	DBEst	2179531
N52293	DBEst	1193459
W02265	DBEst	1274475
N31467	DBEst	1151866
AA490462	DBEst	2219635
AA477514	DBEst	2206148
H52141	DBEst	991982
R94153	DBEst	969548
T89391	DBEst	717904
AA486138	DBEst	2216354
AA451969	DBEst	2165638

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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R78725	DBEst	855006
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T58932	DBEst	660769
AA487797	DBEst	2215228
AA292676	DBEst	1940670
AA460830	DBEst	2185950
T70122	DBEst	681270
AA504351	DBEst	2240511
AA456878	DBEst	2179598
AA489569	DBEst	2219171
AA452627	DBEst	2166296
T60223	DBEst	662060
AA071121	DBEst	1578481
AA487149	DBEst	2217313
R11236	DBEst	763971
AA443302	DBEst	2155977
W47077	DBEst	1331716
R95780	DBEst	981440
AA076645	DBEst	1616545
AA454959	DBEst	2177735
AA598884	DBEst	2432556
T64626	DBEst	673671
AA453015	DBEst	2166684
R70601	DBEst	844118
AA284668	DBEst	1927579
AA489609	DBEst	2219211
R36431	DBEst	793332
AA456585	DBEst	2179161
AA598802	DBEst	2432474
AA487197	DBEst	2217361
H99544	DBEst	1124212
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AA521232	DBEst	2261775
AA520978	DBEst	2261521
AA598830	DBEst	2432502
AA477165	DBEst	2205849
W68220	DBEst	1377158
N51018	DBEst	1192184
R84407	DBEst	942813
H78134	DBEst	1056223
R66924	DBEst	839562
H74032	DBEst	1047168
N68465	DBEst	1224626
R07684	DBEst	759607
R97516	DBEst	983176
T90074	DBEst	718587
R98738	DBEst	985339
T70612	DBEst	681760
R68514	DBEst	842031
H93819	DBEst	1101115
R07066	DBEst	758989
R68245	DBEst	841762
T71382	DBEst	685903
T81988	DBEst	704995
T90369	DBEst	718882

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H47297	DBEst	923349
R78514	DBEst	854795
R68381	DBEst	841898
H47450	DBEst	923502
W33165	DBEst	1315187
H90477	DBEst	1080907
N58144	DBEst	1202034
AA284291	DBEst	1928573
H90490	DBEst	1080920
N91317	DBEst	1444644
N54914	DBEst	1196234
AA453614	DBEst	2167283
R25901	DBEst	782036
W90522	DBEst	1406388
W69216	DBEst	1378476
T70352	DBEst	681500
W05442	DBEst	1278164
AA007632	DBEst	1463618
AA406332	DBEst	2064519
AA459865	DBEst	2184772
R06438	DBEst	757058
AA458483	DBEst	2183390
N69574	DBEst	1225735
AA464531	DBEst	2189415
H91631	DBEst	1087209
N67822	DBEst	1219947
AA485373	DBEst	2214592
N54803	DBEst	1196123
N77096	DBEst	1239674
H51653	DBEst	991494
AA192553	DBEst	1781908
AA037014	DBEst	1510089
AA456616	DBEst	2179192
H15077	DBEst	879897
R85213	DBEst	943619
H23421	DBEst	892116
H59620	DBEst	1012452
H15111	DBEst	879931
AA437139	DBEst	2142053
H68509	DBEst	1027249
T99639	DBEst	749376
R25521	DBEst	781656
AA464034	DBEst	2188918
N64628	DBEst	1212457
AA453714	DBEst	2167383
AA083577	DBEst	1625637
H20743	DBEst	889438
R94222	DBEst	969617
T98559	DBEst	748296
T67270	DBEst	676710
H84048	DBEst	1062719
R11698	DBEst	764433
AA430573	DBEst	2111132
AA406285	DBEst	2064269
H84113	DBEst	1062784
AA458868	DBEst	2183775



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R39861	DBEst	797477
N90630	DBEst	1443957
H12903	DBEst	877723
AA504682	DBEst	2240842
AA431678	DBEst	2115386
AA421687	DBEst	2100504
H08642	DBEst	873464
AA448157	DBEst	2161827
AA598863	DBEst	2432535
AA099394	DBEst	1645350
AA599177	DBEst	2432802
H90415	DBEst	1080845
AA488645	DBEst	2216076
AA489666	DBEst	2219268
R09561	DBEst	761484
AA454146	DBEst	2167815
AA421977	DBEst	2100793
N80129	DBEst	1242830
AA442095	DBEst	2153973
AA465603	DBEst	2191770
AA487700	DBEst	2217864
AA262988	DBEst	1898699
R19938	DBEst	774572
AA458965	DBEst	2183872
AA608568	DBEst	2456996
AA459266	DBEst	2184173
AA480995	DBEst	2210547
R77226	DBEst	851858
W95346	DBEst	1425411
R83000	DBEst	927844
AA434487	DBEst	2139401
AA465019	DBEst	2189903
AA456886	DBEst	2179606
AA424833	DBEst	2106956
R14027	DBEst	767103
AA482328	DBEst	2210006
AA598794	DBEst	2432466
AA442040	DBEst	2153918
R26526	DBEst	782661
T66018	DBEst	675063
H78368	DBEst	1056457
T95234	DBEst	733858
R02166	DBEst	751902
R76553	DBEst	851202
T95238	DBEst	733862
W52186	DBEst	1349347
T97925	DBEst	747270
H59381	DBEst	1012213
R52934	DBEst	814836
R55406	DBEst	824701
R55640	DBEst	824935
W04411	DBEst	1276319
N80622	DBEst	1243323
R32665	DBEst	788508
T79084	DBEst	697593
R02710	DBEst	752446

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H58644	DBEst	1011476
H61608	DBEst	1014440
H61037	DBEst	1013869
R94808	DBEst	973538
R78536	DBEst	854817
H66883	DBEst	1025623
W85697	DBEst	1398344
H53224	DBEst	993371
N52911	DBEst	1194077
N77652	DBEst	1240353
AA007509	DBEst	1463545
H53262	DBEst	993409
R00220	DBEst	749956
R94840	DBEst	973570
H20045	DBEst	888740
R07661	DBEst	759584
H53878	DBEst	994025
R00688	DBEst	750424
N22980	DBEst	1137130
W94120	DBEst	1423243
N25425	DBEst	1139866
N72137	DBEst	1229241
H59938	DBEst	1012770
H53920	DBEst	994067
R09890	DBEst	761846
H73321	DBEst	1047486
N24824	DBEst	1138974
R95823	DBEst	981483
H13424	DBEst	878244
W45165	DBEst	1329256
R95851	DBEst	981511
H78482	DBEst	1056571
W88967	DBEst	1404003
H79363	DBEst	1057452
R70361	DBEst	843878
R89808	DBEst	954635
T72698	DBEst	689373
H82706	DBEst	1060795
R56562	DBEst	826668
AA243828	DBEst	1874639
AA457158	DBEst	2179878
H05580	DBEst	869132
T96083	DBEst	734707
N66942	DBEst	1219067
AA083228	DBEst	1625285
H08446	DBEst	873268
H27564	DBEst	897554
AA464627	DBEst	2189511
AA458653	DBEst	2183560
R31938	DBEst	787781
R33755	DBEst	789613
AA001444	DBEst	1436975
AA464525	DBEst	2189409
AA463458	DBEst	2188342
W47073	DBEst	1331712
R11490	DBEst	764225

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H66158	DBEst	1024898
AA290737	DBEst	1938594
W77927	DBEst	1388471
R63106	DBEst	834985
AA146802	DBEst	1716184
H11482	DBEst	876302
W96268	DBEst	1426175
H65659	DBEst	1024399
N75595	DBEst	1238173
AA233079	DBEst	1856267
H29407	DBEst	900317
AA598492	DBEst	2432075
AA450205	DBEst	2163955
AA487651	DBEst	2217815
AA056390	DBEst	1548730
AA598942	DBEst	2432614
AA600173	DBEst	2433798
AA481026	DBEst	2210578
AA127116	DBEst	1686477
R98532	DBEst	985049
AA459051	DBEst	2183958
AA598670	DBEst	2432253
AA449957	DBEst	2163707
R52797	DBEst	814699
R65792	DBEst	838430
T67104	DBEst	676544
AA446748	DBEst	2159413
AA064973	DBEst	1559254
W55997	DBEst	1357886
AA149096	DBEst	1719549
AA064715	DBEst	1558807
AA486849	DBEst	2217013
AA598496	DBEst	2432079
AA457047	DBEst	2179767
AA487912	DBEst	2215343
AA488681	DBEst	2216112
H92232	DBEst	1087810
R93782	DBEst	967948
AA487637	DBEst	2217801
H23202	DBEst	891897
AA088745	DBEst	1634266
AA446147	DBEst	2158812
W15533	DBEst	1289913
AA491124	DBEst	2220297
AA488721	DBEst	2218323
AA521401	DBEst	2261944
AA486669	DBEst	2216833
R01340	DBEst	751076
R68626	DBEst	842143
H61530	DBEst	1014362
W60745	DBEst	1367558
R68997	DBEst	842514
H47542	DBEst	923594
T90374	DBEst	718887
H71857	DBEst	1043673
R69798	DBEst	843315

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W76032	DBEst	1386276
H78855	DBEst	1056944
R69934	DBEst	843451
R94591	DBEst	969986
N67006	DBEst	1219131
N55339	DBEst	1198218
W60845	DBEst	1367603
R09284	DBEst	761207
R63811	DBEst	835690
R70318	DBEst	843835
AA025195	DBEst	1490119
W21373	DBEst	1298425
H91337	DBEst	1081767
H47863	DBEst	923915
R06313	DBEst	756933
R78554	DBEst	854835
AA485734	DBEst	2214953
H93842	DBEst	1101138
N71365	DBEst	1227945
AA453275	DBEst	2166944
AA459905	DBEst	2183351
H93482	DBEst	1099810
H54764	DBEst	995184
H57959	DBEst	1010791
AA147928	DBEst	1717301
AA130193	DBEst	1691330
N72009	DBEst	1228721
N24581	DBEst	1138731
N54244	DBEst	1195410
N91202	DBEst	1444529
AA284277	DBEst	1928559
H91121	DBEst	1081551
W86376	DBEst	1398137
AA455497	DBEst	2178273
N24645	DBEst	1138795
AA620357	DBEst	2524296
H68719	DBEst	1030648
R10526	DBEst	762482
AA284235	DBEst	1928535
AA464741	DBEst	2189625
H73013	DBEst	1046553
H37774	DBEst	907273
AA479199	DBEst	2207755
AA019774	DBEst	1483110
W58092	DBEst	1364826
N53172	DBEst	1194338
H73714	DBEst	1047218
AA489752	DBEst	2219354
AA410680	DBEst	2069803
R76314	DBEst	850996
N72623	DBEst	1229727
R45255	DBEst	803979
N79051	DBEst	1241752
N50247	DBEst	1191413
AA017341	DBEst	1479523
H93087	DBEst	1099415

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA464644	DBEst	2189528
H62473	DBEst	1016819
R17124	DBEst	770734
AA419164	DBEst	2079053
AA233809	DBEst	1856811
H59203	DBEst	1012035
N38959	DBEst	1162166
H69531	DBEst	1039737
R32409	DBEst	788252
AA455535	DBEst	2178311
AA427724	DBEst	2111539
H38383	DBEst	907882
H09065	DBEst	873887
N62586	DBEst	1210415
T69926	DBEst	681074
AA447959	DBEst	2161629
AA455003	DBEst	2177779
AA598637	DBEst	2432220
AA455281	DBEst	2178057
T52894	DBEst	654754
AA486016	DBEst	2216232
AA489699	DBEst	2219301
N29376	DBEst	1147896
AA432023	DBEst	2115731
AA598478	DBEst	2432061
R99749	DBEst	986350
H56595	DBEst	1005239
T67053	DBEst	676493
R92281	DBEst	959821
H23310	DBEst	892005
R48232	DBEst	810258
AA448569	DBEst	2162239
AA504259	DBEst	2240419
AA478036	DBEst	2206670
T62048	DBEst	665291
AA280137	DBEst	1921998
H00592	DBEst	863525
AA261796	DBEst	1897648
AA449037	DBEst	2163057
AA256507	DBEst	1892114
T72235	DBEst	686756
N71653	DBEst	1228365
AA620477	DBEst	2524416
AA598610	DBEst	2432193
AA478585	DBEst	2207219
R71440	DBEst	844957
AA464669	DBEst	2189553
AA463251	DBEst	2188135
H09997	DBEst	874819
H16389	DBEst	881209
R55105	DBEst	824441
AA490172	DBEst	2221047
AA478589	DBEst	2207223
H15842	DBEst	880662
AA017200	DBEst	1479580
R40970	DBEst	821229

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R70598	DBEst	844115
W00877	DBEst	1272997
H75578	DBEst	1049506
R06544	DBEst	757164
H95823	DBEst	1108965
R94659	DBEst	970054
R14602	DBEst	768770
R08121	DBEst	760044
R89700	DBEst	954527
T90201	DBEst	718714
T96077	DBEst	734701
R31426	DBEst	787269
N59690	DBEst	1203580
T84633	DBEst	712985
N62695	DBEst	1210524
R89014	DBEst	953841
H93552	DBEst	1099880
H77797	DBEst	1055886
W92011	DBEst	1424374
R96208	DBEst	981868
N79206	DBEst	1241907
AA057073	DBEst	1549812
H37880	DBEst	907379
N50806	DBEst	1191972
T87515	DBEst	715867
N79222	DBEst	1241923
N48139	DBEst	1189305
N66278	DBEst	1218403
AA026682	DBEst	1492849
W93717	DBEst	1422859
R91215	DBEst	958755
N80458	DBEst	1243159
R11019	DBEst	763754
H54423	DBEst	994570
N91231	DBEst	1444558
N69689	DBEst	1225850
H65286	DBEst	1024026
N53453	DBEst	1194619
R76614	DBEst	851263
W51951	DBEst	1350053
AA010065	DBEst	1471093
W81570	DBEst	1392599
R99287	DBEst	985888
N94588	DBEst	1266897
H79705	DBEst	1057794
N94468	DBEst	1266777
N38801	DBEst	1162008
R70784	DBEst	844301
W70230	DBEst	1379499
AA609598	DBEst	2458026
N49439	DBEst	1190605
W15297	DBEst	1289697
N67639	DBEst	1219764
H60119	DBEst	1012951
AA458503	DBEst	2183410
H55921	DBEst	1004565

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<u>ACC NOM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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H08560	DBEst	873382
R52542	DBEst	814444
R19031	DBEst	772641
AA424937	DBEst	2107025
T98886	DBEst	748623
AA459519	DBEst	2184426
AA406535	DBEst	2064536
H08899	DBEst	873721
H45000	DBEst	921052
T80232	DBEst	698741
AA035347	DBEst	1506848
H68922	DBEst	1030091
R09069	DBEst	760992
AA456408	DBEst	2178984
AA029963	DBEst	1496219
H23978	DBEst	892673
R68803	DBEst	842320
R01323	DBEst	751059
AA490688	DBEst	2219861
H98218	DBEst	1119103
R91550	DBEst	959090
AA464121	DBEst	2189005
AA083032	DBEst	1625088
H20758	DBEst	889453
R24969	DBEst	779857
AA025850	DBEst	1491187
R96668	DBEst	982328
T71886	DBEst	686407
AA489400	DBEst	2219002
R33030	DBEst	788873
T65833	DBEst	674878
T73468	DBEst	690143
AA488497	DBEst	2215928
AA401853	DBEst	2055872
R93875	DBEst	969270
AA291163	DBEst	1939150
AA133129	DBEst	1689891
AA488406	DBEst	2215837
AA425238	DBEst	2106012
AA487739	DBEst	2217903
H94929	DBEst	1102562
AA504348	DBEst	2240508
AA487681	DBEst	2217845
H68845	DBEst	1030355
H22856	DBEst	891551
AA486280	DBEst	2216496
T69767	DBEst	680915
T75041	DBEst	691803
T74819	DBEst	691494
R23089	DBEst	777977
AA278759	DBEst	1920287
AA487674	DBEst	2217838
AA598787	DBEst	2432459
AA173453	DBEst	1753602
AA465479	DBEst	2191646

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<u>ACC NOM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA598513	DBEst	2432096
AA125779	DBEst	1687485
T60048	DBEst	661885
AA426237	DBEst	2107578
AA034213	DBEst	1506023
H18633	DBEst	884873
AA488526	DBEst	2215957
AA461065	DBEst	2186185
H14343	DBEst	879163
AA129677	DBEst	1690088
AA453335	DBEst	2167004
AA496013	DBEst	2229334
AA282253	DBEst	1925187
T98684	DBEst	748421
W00895	DBEst	1272875
R20886	DBEst	775667
N57594	DBEst	1201484
R72661	DBEst	846693
T83821	DBEst	712109
H60503	DBEst	1013335
H57309	DBEst	1010141
R87194	DBEst	946007
H42967	DBEst	919019
H75599	DBEst	1049527
R93373	DBEst	967539
R08690	DBEst	760613
R78597	DBEst	854878
H96534	DBEst	1110020
N91101	DBEst	1444428
H90603	DBEst	1081033
R91004	DBEst	958544
H67666	DBEst	1026406
H93463	DBEst	1099791
N59721	DBEst	1203611
N57731	DBEst	1201621
AA458973	DBEst	2183880
H73947	DBEst	1047015
AA427398	DBEst	2112260
H73661	DBEst	1046837
AA463926	DBEst	2188810
W05000	DBEst	1277720
AA455108	DBEst	2177884
AA284268	DBEst	1928550
AA457116	DBEst	2179836
AA456611	DBEst	2179187
AA404276	DBEst	2059000
H95086	DBEst	1102719
H71224	DBEst	1043040
N76873	DBEst	1239451
N77321	DBEst	1239899
AA136040	DBEst	1697314
AA485355	DBEst	2214574
H95239	DBEst	1102872
AA015607	DBEst	1476655
H77855	DBEst	1055944



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA447984	DBEst	2161654
AA018134	DBEst	1481509
N58145	DBEst	1202035
R06284	DBEst	756904
R19299	DBEst	772909
AA432248	DBEst	2114636
R26163	DBEst	782298
R88764	DBEst	953591
AA026102	DBEst	1492861
AA480835	DBEst	2210387
H93459	DBEst	1099787
AA032090	DBEst	1502062
AA496576	DBEst	2229897
AA115919	DBEst	1670936
H00677	DBEst	863610
AA490680	DBEst	2219853
R67042	DBEst	839680
T64134	DBEst	667999
H69582	DBEst	1039788
H54686	DBEst	995053
H09461	DBEst	874283
R08829	DBEst	760752
H39192	DBEst	908691
W56189	DBEst	1358146
N75979	DBEst	1238557
AA464630	DBEst	2189514
AA453789	DBEst	2167458
H59861	DBEst	1012693
R60722	DBEst	831417
AA453969	DBEst	2167638
AA459632	DBEst	2184539
H84481	DBEst	1063152
H72722	DBEst	1044538
R83875	DBEst	928752
AA055101	DBEst	1547458
R25020	DBEst	779908
AA486627	DBEst	2216791
AA485653	DBEst	2214872
N53169	DBEst	1194335
AA456394	DBEst	2178970
AA458994	DBEst	2183901
W86653	DBEst	1400529
R71689	DBEst	845721
H84153	DBEst	1062824
T47813	DBEst	649793
AA434130	DBEst	2139044
R25788	DBEst	781923
AA488346	DBEst	2215777
AA045320	DBEst	1523522
H49455	DBEst	989296
H09065	DBEst	873887
AA101299	DBEst	1648045
AA485996	DBEst	2216212
AA102035	DBEst	1645875
R13434	DBEst	766510

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA459663	DBEst	2184570
AA040170	DBEst	1516466
AA252968	DBEst	1882695
AA488081	DBEst	2215512
AA496837	DBEst	2230158
R38995	DBEst	796451
AA442984	DBEst	2155659
H15504	DBEst	880324
AA521422	DBEst	2261965
AA456439	DBEst	2179015
N73030	DBEst	1230134
AA598974	DBEst	2432273
AA419108	DBEst	2078854
AA481397	DBEst	2210949
AA490920	DBEst	2220093
AA487560	DBEst	2217724
H63077	DBEst	1017878
AA486919	DBEst	2217083
AA451781	DBEst	2165450
AA464755	DBEst	2189639
AA599178	DBEst	2432803
T96708	DBEst	735332
R31758	DBEst	787601
R92577	DBEst	960117
H48502	DBEst	988342
N55563	DBEst	1198442
N68424	DBEst	1224585
R16069	DBEst	767878
H65775	DBEst	1024515
R62241	DBEst	834120
T96909	DBEst	735533
R64580	DBEst	836459
W95346	DBEst	1425411
R24974	DBEst	779862
R62582	DBEst	834461
R32751	DBEst	788594
H63455	DBEst	1018256
AA479781	DBEst	2205667
R71124	DBEst	844641
H02336	DBEst	865269
R62773	DBEst	834652
AA028034	DBEst	1494102
R62888	DBEst	834767
W04206	DBEst	1276124
H55897	DBEst	1004541
W04231	DBEst	1276339
R73672	DBEst	848042
H75898	DBEst	1050027
W60890	DBEst	1367775
N66925	DBEst	1219050
N67041	DBEst	1219166
R97234	DBEst	982894
H56424	DBEst	1005068
W96155	DBEst	1426061
N54993	DBEst	1197872

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H38086	DBEst	907585
AA056325	DBEst	1548664
AA404288	DBEst	2059012
N75713	DBEst	1238291
N92034	DBEst	1264343
T96718	DBEst	735342
W73607	DBEst	1383741
W87741	DBEst	1401816
AA609880	DBEst	2458308
AA126760	DBEst	1686260
H56981	DBEst	1009813
AA002126	DBEst	1445742
R98074	DBEst	983734
W03686	DBEst	1275531
W42849	DBEst	1327466
AA702174	DBEst	2705287
AA428738	DBEst	2110316
H45711	DBEst	921763
H45617	DBEst	921669
R92452	DBEst	959992
R31168	DBEst	787011
H45455	DBEst	921507
AA436406	DBEst	2141320
H07991	DBEst	872813
N59764	DBEst	1203654
AA464729	DBEst	2189613
T77281	DBEst	694484
AA495936	DBEst	2229257
N62620	DBEst	1210449
R22977	DBEst	777865
AA406551	DBEst	2064544
H22652	DBEst	891347
AA410591	DBEst	2069697
R97066	DBEst	982726
R55789	DBEst	825864
H72027	DBEst	1043843
W01240	DBEst	1273219
H69334	DBEst	1039540
AA454810	DBEst	2177586
AA455800	DBEst	2178576
AA432062	DBEst	2115770
AA490617	DBEst	2219790
AA487643	DBEst	2217807
AA405562	DBEst	2063083
AA454572	DBEst	2177348
AA278240	DBEst	1920180
W19653	DBEst	1295659
AA411107	DBEst	2070221
AA436142	DBEst	2141056
AA598795	DBEst	2432467
AA504442	DBEst	2240602
AA478542	DBEst	2207176
H23459	DBEst	892154
AA450062	DBEst	2163812
T67029	DBEst	676469
AA599092	DBEst	2432717

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA454662	DBEst	2177438
AA453978	DBEst	2167647
AA487893	DBEst	2215324
H05140	DBEst	868692
AA136125	DBEst	1697335
AA431631	DBEst	2115339
R09585	DBEst	761508
AA180912	DBEst	1764388
R24974	DBEst	779862
AA449289	DBEst	2162752
AA181500	DBEst	1764967
AA482324	DBEst	2210002
AA489261	DBEst	2218863
AA070226	DBEst	1577585
AA496810	DBEst	2230131
AA459109	DBEst	2184016
AA485773	DBEst	2214992
AA486261	DBEst	2216477
R71913	DBEst	845945
AA262211	DBEst	1898482
AA411640	DBEst	2069365
T47454	DBEst	649435
T51182	DBEst	653042
AA486082	DBEst	2216298
R37224	DBEst	794680
AA490981	DBEst	2220154
AA428473	DBEst	2112531
H57494	DBEst	1010326
AA399473	DBEst	2053219
H29592	DBEst	900502
AA521083	DBEst	2261626
AA019996	DBEst	1483669
AA486085	DBEst	2216301
AA447773	DBEst	2161443
AA102634	DBEst	1647937
R89539	DBEst	954366
W94438	DBEst	1423568
R88999	DBEst	953826
H95238	DBEst	1102871
R27432	DBEst	783567
R76394	DBEst	851076
AA027160	DBEst	1492578
R78585	DBEst	854866
R73539	DBEst	847571
R91821	DBEst	959361
R54855	DBEst	818977
W53015	DBEst	1350477
N75715	DBEst	1238293
R10570	DBEst	762526
H93319	DBEst	1099647
W21081	DBEst	1297957
R89285	DBEst	954112
R21415	DBEst	776196
R22065	DBEst	776846
W58000	DBEst	1364712
AA488466	DBEst	2215897

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R22138	DBEst	776919
AA504348	DBEst	2240508
R09498	DBEst	761421
N94167	DBEst	1266476
N30706	DBEst	1149226
AA115248	DBEst	1670493
N71647	DBEst	1228359
R86333	DBEst	944739
N77006	DBEst	1239584
N75498	DBEst	1238076
W84612	DBEst	1395723
T98162	DBEst	747507
N45139	DBEst	1186305
W07745	DBEst	1281757
N59772	DBEst	1203662
N73611	DBEst	1230896
AA454021	DBEst	2167690
N95371	DBEst	1267643
AA151214	DBEst	1719469
N94143	DBEst	1266452
H72259	DBEst	1044075
N94424	DBEst	1266733
N95107	DBEst	1267416
AA427873	DBEst	2112192
N70072	DBEst	1226652
AA431773	DBEst	2115481
N93695	DBEst	1266004
AA078778	DBEst	1617653
N50014	DBEst	1191180
H66116	DBEst	1024856
W32943	DBEst	1314997
AA045698	DBEst	1525800
H17158	DBEst	883398
AA013094	DBEst	1474130
W93163	DBEst	1422316
H37989	DBEst	907488
AA393408	DBEst	2046429
AA258735	DBEst	1893896
H46553	DBEst	922605
AA495846	DBEst	2229167
R36467	DBEst	793368
N74741	DBEst	1232026
AA480820	DBEst	2210372
AA291577	DBEst	1939554
T57957	DBEst	659818
W58007	DBEst	1364739
AA453850	DBEst	2167519
AA039370	DBEst	1515862
N59626	DBEst	1203516
AA495724	DBEst	2229045
W33012	DBEst	1315017
AA490696	DBEst	2219869
AA063521	DBEst	1557488
AA443000	DBEst	2155675
H89664	DBEst	1080094
AA194765	DBEst	1784455

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W07798	DBEst	1281878
H29077	DBEst	899987
AA598950	DBEst	2432622
AA457199	DBEst	2179919
AA173746	DBEst	1754007
AA464342	DBEst	2189226
AA486313	DBEst	2216529
T55801	DBEst	657662
AA442092	DBEst	2153970
T72119	DBEst	686640
R31701	DBEst	787544
T73556	DBEst	690231
AA487623	DBEst	2217787
H11346	DBEst	876166
H09997	DBEst	874819
R75635	DBEst	850317
AA453691	DBEst	2167360
AA017526	DBEst	1479679
AA280924	DBEst	1923622
W96134	DBEst	1426060
H67349	DBEst	1026089
H51066	DBEst	990907
AA488699	DBEst	2218301
T61078	DBEst	664115
AA490256	DBEst	2219429
AA448941	DBEst	2162961
AA424629	DBEst	2103635
AA486942	DBEst	2217106
AA456376	DBEst	2178952
AA504656	DBEst	2240816
AA126356	DBEst	1686004
R54778	DBEst	819300
T57556	DBEst	659417
AA486238	DBEst	2216454
AA456868	DBEst	2179588
T98612	DBEst	748349
AA281548	DBEst	1924226
H54629	DBEst	994996
N72918	DBEst	1230022
AA446251	DBEst	2158916
W52273	DBEst	1349403
R56219	DBEst	826325
AA443630	DBEst	2156305
AA448676	DBEst	2162346
R79935	DBEst	856216
AA489582	DBEst	2219184
T53626	DBEst	655486
R25818	DBEst	781953
AA285073	DBEst	1928098
W04450	DBEst	1276372
R33011	DBEst	788854
R85387	DBEst	943793
H79466	DBEst	1057555
R63134	DBEst	835013
R63137	DBEst	835016
H74106	DBEst	1047318

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R33273	DBEst	789131
AA028164	DBEst	1494289
R00431	DBEst	750167
R66533	DBEst	839171
R35903	DBEst	792804
H68988	DBEst	1030214
H78537	DBEst	1056626
H48677	DBEst	988517
R63548	DBEst	835427
R63528	DBEst	835407
R39730	DBEst	797186
R56219	DBEst	826325
R63530	DBEst	835409
H56931	DBEst	1009763
W45572	DBEst	1329653
R98191	DBEst	983851
AA488072	DBEst	2215503
H98856	DBEst	1123524
H94819	DBEst	1102452
AA152294	DBEst	1721494
AA447569	DBEst	2161239
T81338	DBEst	704223
AA129089	DBEst	1688934
N26125	DBEst	1140473
H94849	DBEst	1102482
R25234	DBEst	781369
AA044662	DBEst	1523042
W72621	DBEst	1382461
AA156743	DBEst	1728570
R98492	DBEst	985009
H93486	DBEst	1099814
W92400	DBEst	1424764
W69279	DBEst	1378540
AA446839	DBEst	2159504
AA621342	DBEst	2525281
R98591	DBEst	985192
W60414	DBEst	1367398
H58574	DBEst	1011406
R16134	DBEst	767943
R98905	DBEst	985506
H80171	DBEst	1058260
T66902	DBEst	676342
H77652	DBEst	1055741
T72581	DBEst	689256
AA045587	DBEst	1525332
H91651	DBEst	1087229
AA489729	DBEst	2219331
AA036649	DBEst	1509706
H96241	DBEst	1109383
AA143201	DBEst	1712768
H70017	DBEst	1040223
H09906	DBEst	874728
R28447	DBEst	784582
R87840	DBEst	946653
N95761	DBEst	1268046
N79484	DBEst	1242185

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R55619	DBEst	824914
AA481944	DBEst	2209622
AA453898	DBEst	2167567
H90219	DBEst	1080649
N49526	DBEst	1190692
W05406	DBEst	1278137
W74377	DBEst	1384792
H16932	DBEst	883172
AA495766	DBEst	2229087
AA496691	DBEst	2230012
AA504128	DBEst	2240288
AA452981	DBEst	2166650
AA446737	DBEst	2159402
AA434342	DBEst	2139256
AA405804	DBEst	2063787
R62612	DBEst	834491
W96014	DBEst	1425921
AA127794	DBEst	1687705
AA476263	DBEst	2204474
AA450265	DBEst	2164015
W01603	DBEst	1273620
AA186901	DBEst	1775003
R02069	DBEst	751805
H64346	DBEst	1023086
R38539	DBEst	795995
H38799	DBEst	908298
AA457671	DBEst	2180391
T98612	DBEst	748349
AA128153	DBEst	1687395
H96671	DBEst	1110157
AA211448	DBEst	1810093
AA490694	DBEst	2219867
AA491191	DBEst	2220364
H91826	DBEst	1087404
AA463565	DBEst	2188449
T82817	DBEst	711105
AA482251	DBEst	2209929
AA521337	DBEst	2261880
AA001449	DBEst	1436914
T51689	DBEst	653549
AA487582	DBEst	2217746
R68706	DBEst	842223
T84663	DBEst	713015
H97748	DBEst	1118633
R69307	DBEst	842824
R38300	DBEst	795756
R89862	DBEst	954689
N79353	DBEst	1242054
N67039	DBEst	1219164
W96107	DBEst	1426014
N92134	DBEst	1264443
N66839	DBEst	1218964
R91176	DBEst	958716
AA029361	DBEst	1496765
W01171	DBEst	1273169
R22420	DBEst	777201



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R91220	DBEst	958760
R91244	DBEst	958784
W25202	DBEst	1303076
R91258	DBEst	958798
N78103	DBEst	1240804
AA464880	DBEst	2189764
R78550	DBEst	854831
R91271	DBEst	958811
H25907	DBEst	895030
N73575	DBEst	1230860
T86959	DBEst	715311
W44411	DBEst	1329912
N49436	DBEst	1190602
W02424	DBEst	1274545
R10545	DBEst	762501
R06372	DBEst	756992
N49669	DBEst	1190835
W58368	DBEst	1365081
W23546	DBEst	1300371
W24622	DBEst	1301513
N79558	DBEst	1242259
N95656	DBEst	1267963
AA464143	DBEst	2189027
W00899	DBEst	1272879
W52273	DBEst	1349403
R91171	DBEst	958711
N34362	DBEst	1155504
AA454215	DBEst	2167884
H79130	DBEst	1057219
AA454618	DBEst	2177394
H74330	DBEst	1047741
AA458487	DBEst	2183394
N45263	DBEst	1186429
W69791	DBEst	1379049
AA460301	DBEst	2185117
AA497132	DBEst	2230453
R27585	DBEst	783720
H27379	DBEst	897369
H53340	DBEst	993487
AA070997	DBEst	1578418
R64190	DBEst	836069
AA155695	DBEst	1727311
N73252	DBEst	1230356
AA456008	DBEst	2178784
AA069596	DBEst	1576955
R76436	DBEst	850249
R44822	DBEst	824198
R18849	DBEst	772459
R25823	DBEst	781958
AA018658	DBEst	1481923
H54367	DBEst	994514
AA455969	DBEst	2178745
W55964	DBEst	1357853
W93615	DBEst	1422736
H05563	DBEst	869115
W94609	DBEst	1423731

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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R56211	DBEst	826317
R62603	DBEst	834482
AA489611	DBEst	2219213
AA453859	DBEst	2167528
T68202	DBEst	679350
AA504461	DBEst	2240621
AA235332	DBEst	1859770
AA456931	DBEst	2179651
N93428	DBEst	1265737
AA454652	DBEst	2177428
N51278	DBEst	1192444
AA486275	DBEst	2216491
N57872	DBEst	1201762
AA504327	DBEst	2240487
AA056148	DBEst	1548486
AA598653	DBEst	2432236
AA452909	DBEst	2166578
AA425947	DBEst	2107735
AA452909	DBEst	2166578
AA460827	DBEst	2185947
AA402431	DBEst	2057097
AA598517	DBEst	2432100
AA459039	DBEst	2183946
AA150918	DBEst	1722429
R01732	DBEst	751468
AA250771	DBEst	1885736
R12473	DBEst	765549
AA452278	DBEst	2165947
T81764	DBEst	704771
AA464250	DBEst	2189134
H94487	DBEst	1102120
AA598817	DBEst	2432489
N20475	DBEst	1125430
AA428454	DBEst	2112469
AA459941	DBEst	2184825
N98524	DBEst	1269949
AA281932	DBEst	1924610
N77183	DBEst	1239761
AA486838	DBEst	2217002
AA046690	DBEst	1524587
AA448400	DBEst	2162070
H77772	DBEst	1055861
H10721	DBEst	875509
T97478	DBEst	746823
R63782	DBEst	835661
N80371	DBEst	1243072
R00332	DBEst	750068
N68719	DBEst	1224880
R64408	DBEst	836287
R02529	DBEst	752265
R64449	DBEst	836328
T97794	DBEst	747139
W02403	DBEst	1274383
H20566	DBEst	889261
R63982	DBEst	835861

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
T98394	DBEst	748131
R64008	DBEst	835887
R64014	DBEst	835893
R16009	DBEst	767991
R34957	DBEst	791858
N78076	DBEst	1240777
R64048	DBEst	835927
R28020	DBEst	784155
W88572	DBEst	1404044
N95642	DBEst	1267930
R78533	DBEst	854814
H58866	DBEst	1011698
R93009	DBEst	965363
T69738	DBEst	680886
AA459305	DBEst	2184212
R93394	DBEst	967560
R31521	DBEst	787364
H90746	DBEst	1081176
N62855	DBEst	1210684
N72215	DBEst	1229319
N29545	DBEst	1148065
R32951	DBEst	788794
R98957	DBEst	985558
W72431	DBEst	1382386
H47327	DBEst	923379
R99004	DBEst	985605
H65984	DBEst	1024724
N54161	DBEst	1195327
H90899	DBEst	1081329
AA460152	DBEst	2185537
H56033	DBEst	1004677
R40897	DBEst	823102
AA035796	DBEst	1507642
AA033564	DBEst	1505457
R62612	DBEst	834491
AA085318	DBEst	1627385
H24688	DBEst	893587
AA486471	DBEst	2216635
R37937	DBEst	795393
W58658	DBEst	1365390
H60423	DBEst	1013255
N22178	DBEst	1128312
AA399674	DBEst	2052604
W55872	DBEst	1357900
R14760	DBEst	769033
W84445	DBEst	1395556
T98152	DBEst	747497
AA430504	DBEst	2111094
N68166	DBEst	1224327
AA399285	DBEst	2053038
AA418811	DBEst	2080612
AA476240	DBEst	2204451
AA418755	DBEst	2080556
AA455193	DBEst	2177969
T64893	DBEst	673938
R40324	DBEst	822979

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA130736	DBEst	1692226
AA453712	DBEst	2167381
H65526	DBEst	1024266
AA282134	DBEst	1925013
T49539	DBEst	651399
H56918	DBEst	1009750
T98352	DBEst	748089
AA011320	DBEst	1472367
AA521198	DBEst	2261741
T73187	DBEst	689862
AA521453	DBEst	2261996
H58119	DBEst	1010951
AA598868	DBEst	2432540
T49159	DBEst	651019
AA463498	DBEst	2188382
AA598487	DBEst	2432070
N90952	DBEst	1444279
AA151486	DBEst	1719991
T61323	DBEst	664360
AA457697	DBEst	2180417
AA450189	DBEst	2163939
AA489714	DBEst	2219316
R69202	DBEst	842719
AA427940	DBEst	2112058
AA598759	DBEst	2432431
AA448667	DBEst	2162337
AA446108	DBEst	2158773
R42815	DBEst	801039
AA488504	DBEst	2215935
T58002	DBEst	659863
AA406332	DBEst	2064519
AA608558	DBEst	2456986
AA486628	DBEst	2216792
R39578	DBEst	797034
AA496780	DBEst	2230101
AA453293	DBEst	2166962
H43657	DBEst	919709
R92669	DBEst	960209
R62780	DBEst	834659
H27590	DBEst	897943
T83996	DBEst	712284
R95916	DBEst	981576
H64244	DBEst	1022984
H63668	DBEst	1018469
H56088	DBEst	1004732
R23302	DBEst	778190
T85191	DBEst	713543
R63543	DBEst	835422
H37846	DBEst	907345
R99935	DBEst	986536
H37799	DBEst	907298
R14894	DBEst	769167
H37886	DBEst	907385
R92285	DBEst	959825
T81034	DBEst	703919
R19183	DBEst	772793

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA025807	DBEst	1491173
R92292	DBEst	959832
R33103	DBEst	788961
AA453458	DBEst	2167127
AA029889	DBEst	1496145
AA485365	DBEst	2214584
AA432253	DBEst	2114641
N66003	DBEst	1218128
H77714	DBEst	1055803
W16832	DBEst	1291220
N26802	DBEst	1141150
AA485449	DBEst	2214668
AA459935	DBEst	2184819
AA454597	DBEst	2177373
R23287	DBEst	778175
AA085749	DBEst	1629232
AA485433	DBEst	2214652
AA121778	DBEst	1679402
T90438	DBEst	718951
N49996	DBEst	1191162
N99803	DBEst	1271317
AA004210	DBEst	1448405
AA453994	DBEst	2167663
R07594	DBEst	759517
R73647	DBEst	848017
R92163	DBEst	959703
R77079	DBEst	851711
H53274	DBEst	993421
R10604	DBEst	762560
AA454880	DBEst	2177656
T67549	DBEst	678697
AA011215	DBEst	1472327
H09914	DBEst	874736
AA455222	DBEst	2177998
W32135	DBEst	1313128
H16456	DBEst	881276
AA453728	DBEst	2167397
AA133684	DBEst	1690652
H60859	DBEst	1013691
N75719	DBEst	1238297
AA455369	DBEst	2178145
AA399519	DBEst	2053290
AA455197	DBEst	2177973
R14855	DBEst	769128
T86708	DBEst	715060
AA464731	DBEst	2189615
H38650	DBEst	908149
R41839	DBEst	817543
H22563	DBEst	891258
T77595	DBEst	694798
AA490213	DBEst	2219395
R37519	DBEst	794975
N76581	DBEst	1239159
H02158	DBEst	865091
R40400	DBEst	822829
W24076	DBEst	1300961

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA036974	DBEst	1510031
AA453410	DBEst	2167079
H91256	DBEst	1081686
AA418670	DBEst	2080489
R59697	DBEst	830392
H21041	DBEst	889736
T47442	DBEst	649423
AA156940	DBEst	1728555
AA397813	DBEst	2051021
R13558	DBEst	766634
AA598776	DBEst	2432448
AA625666	DBEst	2538053
AA292025	DBEst	1940002
H08933	DBEst	873755
AA485983	DBEst	2216199
AA196000	DBEst	1791624
AA423944	DBEst	2102914
AA004759	DBEst	1448327
AA102454	DBEst	1647385
W44701	DBEst	1328892
T50828	DBEst	652688
AA026609	DBEst	1492444
H12189	DBEst	877009
AA598526	DBEst	2432109
AA461506	DBEst	2185370
H99699	DBEst	1124367
AA599175	DBEst	2432800
AA076063	DBEst	1615932
AA053285	DBEst	1545744
R08816	DBEst	760739
AA148230	DBEst	1717654
H14841	DBEst	879661
W87611	DBEst	1401675
H96738	DBEst	1110224
AA478043	DBEst	2206677
AA463297	DBEst	2188181
AA282906	DBEst	1925839
AA490684	DBEst	2219857
H09614	DBEst	874436
R53889	DBEst	815791
AA504617	DBEst	2240777
R98695	DBEst	985296
R64066	DBEst	835945
T97889	DBEst	747234
AA256532	DBEst	1892072
AA132094	DBEst	1693602
H56028	DBEst	1004672
R99311	DBEst	985912
T98075	DBEst	747420
T74714	DBEst	691389
R66994	DBEst	839632
T98615	DBEst	748352
T82415	DBEst	709617
R68492	DBEst	842009
N91311	DBEst	1444638
R36181	DBEst	793082

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N80491	DBEst	1243192
N53133	DBEst	1194299
R65893	DBEst	838531
W76331	DBEst	1386575
N76587	DBEst	1239165
N99514	DBEst	1270939
R06311	DBEst	756931
AA045327	DBEst	1523529
R33355	DBEst	789213
H48467	DBEst	986854
H60317	DBEst	1013149
H60491	DBEst	1013323
W02401	DBEst	1274381
R99386	DBEst	985987
W02591	DBEst	1274569
R99419	DBEst	986020
R71531	DBEst	845048
H60688	DBEst	1013520
N52517	DBEst	1193683
R99682	DBEst	986283
R99690	DBEst	986291
W00793	DBEst	1273006
H68663	DBEst	1030125
H65052	DBEst	1023792
R32428	DBEst	788271
W00794	DBEst	1273007
R96804	DBEst	982464
W01026	DBEst	1273025
AA454554	DBEst	2177330
AA455519	DBEst	2178295
N76193	DBEst	1238771
AA136983	DBEst	1698254
H79007	DBEst	1057096
T58298	DBEst	660159
W38571	DBEst	1320276
AA455145	DBEst	2177921
R50354	DBEst	812256
AA232979	DBEst	1855990
AA083407	DBEst	1625657
H56918	DBEst	1009750
H93249	DBEst	1099577
N91584	DBEst	1444911
H09936	DBEst	874758
H46663	DBEst	922715
N77779	DBEst	1240480
AA193254	DBEst	1782699
AA405891	DBEst	2063892
R19878	DBEst	774512
R43734	DBEst	821647
R83224	DBEst	928101
R20379	DBEst	775013
AA454646	DBEst	2177422
H15634	DBEst	880454
H20872	DBEst	889567
AA424516	DBEst	2103477
R69355	DBEst	842872

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H51404	DBEst	991245
AA458472	DBEst	2183379
AA443497	DBEst	2156172
AA464152	DBEst	2189036
R61229	DBEst	831924
R59212	DBEst	829907
H65676	DBEst	1024416
AA258396	DBEst	1893538
W30988	DBEst	1311978
T48949	DBEst	650809
H63706	DBEst	1018507
AA452566	DBEst	2166235
AA485911	DBEst	2216135
N52089	DBEst	1193255
AA010609	DBEst	1471635
AA521346	DBEst	2261889
W37306	DBEst	1319037
AA598601	DBEst	2432184
AA598561	DBEst	2432144
AA521243	DBEst	2261786
AA441895	DBEst	2153773
AA292995	DBEst	1940908
AA496809	DBEst	2230130
R34205	DBEst	790063
AA251800	DBEst	1886780
N76361	DBEst	1238939
AA608548	DBEst	2456976
AA278840	DBEst	1920361
AA481547	DBEst	2211099
AA280676	DBEst	1923381
AA496863	DBEst	2230184
AA136336	DBEst	1697544
R54358	DBEst	816260
N77514	DBEst	1240215
T81261	DBEst	704146
R92197	DBEst	959737
H38148	DBEst	907647
R92310	DBEst	959850
W48780	DBEst	1336929
H94163	DBEst	1101459
N54407	DBEst	1195727
H73727	DBEst	1047231
R31154	DBEst	786997
R92347	DBEst	959887
N77326	DBEst	1239904
R24223	DBEst	779111
R92545	DBEst	960085
AA034268	DBEst	1506077
R92455	DBEst	959995
N39325	DBEst	1162532
R34121	DBEst	789979
W95682	DBEst	1425658
R83017	DBEst	927861
N94181	DBEst	1266490
N49231	DBEst	1190397
N81036	DBEst	1243737



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R35849	DBEst	792750
N73975	DBEst	1231260
H25846	DBEst	894969
H90225	DBEst	1080655
N52535	DBEst	1193701
AA031770	DBEst	1501772
W37882	DBEst	1319476
W90001	DBEst	1405979
N73555	DBEst	1230840
W86466	DBEst	1400213
N31577	DBEst	1151976
H77506	DBEst	1055595
AA054978	DBEst	1547317
H75632	DBEst	1049954
H69528	DBEst	1039734
AA454699	DBEst	2177475
N95780	DBEst	1268085
AA150093	DBEst	1721333
N21592	DBEst	1126762
AA046112	DBEst	1526005
AA460302	DBEst	2185118
AA001870	DBEst	1445514
N90806	DBEst	1444133
N67051	DBEst	1219176
H98988	DBEst	1123656
W87281	DBEst	1401476
AA004862	DBEst	1448352
N72286	DBEst	1229390
AA431721	DBEst	2115429
N67839	DBEst	1219964
H72368	DBEst	1044184
AA126862	DBEst	1687810
AA046066	DBEst	1526163
AA464200	DBEst	2189084
AA011136	DBEst	1472306
AA041362	DBEst	1517624
W74533	DBEst	1384805
AA148735	DBEst	1719246
H68542	DBEst	1027282
N69908	DBEst	1226488
AA456569	DBEst	2179145
AA004812	DBEst	1448339
AA626012	DBEst	2538399
AA004484	DBEst	1448080
AA459915	DBEst	2184799
AA284307	DBEst	1928606
W32778	DBEst	1313789
H70608	DBEst	1042424
W42414	DBEst	1326914
AA284249	DBEst	1928549
W46900	DBEst	1331538
AA025662	DBEst	1491492
AA404239	DBEst	2058981
AA150891	DBEst	1722421
H64150	DBEst	1018951
W16424	DBEst	1289598

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W32303	DBEst	1313314
AA156030	DBEst	1727655
W37338	DBEst	1318971
W49781	DBEst	1338055
H86518	DBEst	1068097
AA128005	DBEst	1687285
AA150435	DBEst	1721948
W51760	DBEst	1349989
N35241	DBEst	1156383
AA461304	DBEst	2186424
H23979	DBEst	892674
AA027277	DBEst	1492153
AA112979	DBEst	1664450
AA058323	DBEst	1551160
H84815	DBEst	1064165
N55459	DBEst	1198338
T62031	DBEst	665274
AA644448	DBEst	2569666
AA668470	DBEst	2629969
AA676805	DBEst	2657327
AA460685	DBEst	2185805
T62068	DBEst	665311
AA626787	DBEst	2539174
AA625859	DBEst	2538246
AA600217	DBEst	2433842
T55728	DBEst	657589
AA630507	DBEst	2553118
T62638	DBEst	666295
AA464861	DBEst	2189745
T62655	DBEst	666312
H15662	DBEst	880482
H15456	DBEst	880276
T49222	DBEst	651082
AA479691	DBEst	2205577
AA412064	DBEst	2070830
W96450	DBEst	1426377
AA400186	DBEst	2054057
AA102089	DBEst	1646015
AA486738	DBEst	2216902
AA400482	DBEst	2054353
R43541	DBEst	821470
N49405	DBEst	1190571
AA432106	DBEst	2115814
AA598578	DBEst	2432161
R56916	DBEst	827022
H17273	DBEst	883513
T77733	DBEst	694936
H99646	DBEst	1124314
H18471	DBEst	884711
AA490059	DBEst	2220934
H17550	DBEst	883790
AA136533	DBEst	1697888
AA188378	DBEst	1775412
AA630628	DBEst	2553239
W81118	DBEst	1391617
T57637	DBEst	659498

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA400234	DBEst	2054248
N51830	DBEst	1192996
AA609421	DBEst	2457849
AA045965	DBEst	1525886
N94366	DBEst	1266675
AA156054	DBEst	1727679
AA497026	DBEst	2230347
N73448	DBEst	1230733
AA400010	DBEst	2053751
AA057620	DBEst	1550455
AA088214	DBEst	1633717
W87714	DBEst	1401768
N31985	DBEst	1152384
W15305	DBEst	1289705
N38891	DBEst	1162098
AA443094	DBEst	2155769
AA464542	DBEst	2189426
W93067	DBEst	1422239
AA043790	DBEst	1521675
R95841	DBEst	981501
N20480	DBEst	1125435
AA063598	DBEst	1557565
AA134576	DBEst	1695573
N35156	DBEst	1156298
AA047289	DBEst	1525188
R96523	DBEst	982183
N73309	DBEst	1230413
AA481755	DBEst	2211307
W74133	DBEst	1384315
AA455479	DBEst	2178255
H61552	DBEst	1014384
AA046700	DBEst	1524597
AA427691	DBEst	2111532
R36587	DBEst	793488
AA633882	DBEst	2557096
AA033743	DBEst	1505561
AA485739	DBEst	2214958
N64741	DBEst	1212570
AA004638	DBEst	1448175
AA284304	DBEst	1928603
AA669055	DBEst	2630554
R97055	DBEst	982715
N62601	DBEst	1210430
N35592	DBEst	1156734
AA702254	DBEst	2705367
W81290	DBEst	1392390
AA022910	DBEst	1487027
R69584	DBEst	843101
AA045192	DBEst	1523394
AA453520	DBEst	2167189
AA464246	DBEst	2189130
H59726	DBEst	1012558
R26172	DBEst	782307
AA115537	DBEst	1670199
T51539	DBEst	653399
N91145	DBEst	1444472

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA099523	DBEst	1645469
AA476221	DBEst	2204432
AA176581	DBEst	1757705
AA016225	DBEst	1477272
W84486	DBEst	1395617
AA045278	DBEst	1523500
N26175	DBEst	1140523
AA633549	DBEst	2556763
AA121313	DBEst	1678930
R63085	DBEst	834964
AA701476	DBEst	2704641
N20482	DBEst	1125437
AA455282	DBEst	2178058
AA454098	DBEst	2167767
AA436425	DBEst	2141339
AA460838	DBEst	2185958
AA487543	DBEst	2217707
AA630082	DBEst	2552693
T67807	DBEst	678955
AA074446	DBEst	1614314
AA679352	DBEst	2659874
AA028905	DBEst	1496516
AA700054	DBEst	2703017
AA401429	DBEst	2053637
R54492	DBEst	816394
H20570	DBEst	889265
AA496149	DBEst	2229470
H20547	DBEst	889242
AA669443	DBEst	2630942
H08210	DBEst	873032
H17003	DBEst	883243
AA417279	DBEst	2077360
AA397823	DBEst	2051031
T82459	DBEst	709661
N75581	DBEst	1238159
AA669452	DBEst	2630951
R52030	DBEst	813932
T82461	DBEst	709663
R38169	DBEst	795625
AA291749	DBEst	1939745
AA074535	DBEst	1614480
H20543	DBEst	889238
R59197	DBEst	829892
AA133577	DBEst	1690547
H11454	DBEst	876274
AA634360	DBEst	2557574
AA012939	DBEst	1473966
AA435948	DBEst	2140862
R39111	DBEst	796567
AA487218	DBEst	2217382
AA458878	DBEst	2183785
R59221	DBEst	829916
H98215	DBEst	1119100
R42713	DBEst	819658
H99837	DBEst	1124505
R52679	DBEst	814581

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA431400	DBEst	2115108
W73514	DBEst	1383647
W73966	DBEst	1384622
AA102053	DBEst	1645893
R53258	DBEst	815160
R39273	DBEst	796729
AA487070	DBEst	2217234
AA136521	DBEst	1697749
R52703	DBEst	814605
N90541	DBEst	1443868
AA156109	DBEst	1727725
R56100	DBEst	826206
AA496886	DBEst	2230207
AA454713	DBEst	2177489
H17513	DBEst	883753
W44657	DBEst	1330177
AA425375	DBEst	2106149
N70768	DBEst	1227348
AA121697	DBEst	1679329
T70922	DBEst	685443
T96605	DBEst	735229
N22827	DBEst	1136977
AA460004	DBEst	2184888
W80808	DBEst	1391831
R02333	DBEst	752069
N39101	DBEst	1162308
N52878	DBEst	1194044
H79538	DBEst	1057627
W56303	DBEst	1358192
R05293	DBEst	755913
W74725	DBEst	1384948
N72976	DBEst	1230080
W37778	DBEst	1319589
N32919	DBEst	1153318
N71028	DBEst	1227608
W73634	DBEst	1383768
AA284296	DBEst	1928578
AA130187	DBEst	1691324
AA099820	DBEst	1645919
AA464691	DBEst	2189575
AA044059	DBEst	1521917
AA039547	DBEst	1515825
H59780	DBEst	1012612
W86145	DBEst	1398596
W47116	DBEst	1331970
N30006	DBEst	1148526
W48838	DBEst	1337017
W37628	DBEst	1319280
H73241	DBEst	1047389
H52391	DBEst	992232
W60326	DBEst	1367085
H48153	DBEst	924205
AA121504	DBEst	1679118
R73661	DBEst	848031
AA156781	DBEst	1728396
W04706	DBEst	1277426

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N24609	DBEst	1138759
N54456	DBEst	1195776
W81504	DBEst	1392553
AA085759	DBEst	1629221
W72798	DBEst	1382911
AA676840	DBEst	2657362
W42674	DBEst	1327134
AA428959	DBEst	2110501
AA629542	DBEst	2552153
T49530	DBEst	651390
N63733	DBEst	1211562
H48122	DBEst	924174
AA664155	DBEst	2618146
AA630346	DBEst	2552957
AA477298	DBEst	2205932
T49802	DBEst	651662
H18427	DBEst	884667
T64004	DBEst	667869
N21170	DBEst	1126340
AA463225	DBEst	2188109
T50041	DBEst	651901
R43334	DBEst	819861
R80779	DBEst	857060
R56774	DBEst	826880
T50083	DBEst	651943
T64312	DBEst	668177
N66396	DBEst	1218521
R17765	DBEst	771375
AA682815	DBEst	2669498
H17115	DBEst	883355
T65844	DBEst	674889
N32768	DBEst	1153167
H99816	DBEst	1124484
AA449982	DBEst	2163732
R26143	DBEst	782278
AA425297	DBEst	2106107
AA436440	DBEst	2141354
H57136	DBEst	1009968
W95118	DBEst	1424236
AA680249	DBEst	2656217
H85962	DBEst	1067541
AA421286	DBEst	2100111
AA629808	DBEst	2552419
AA434090	DBEst	2139004
AA171606	DBEst	1750810
AA161097	DBEst	1735333
AA682399	DBEst	2669680
AA052959	DBEst	1543959
AA488447	DBEst	2215878
H19105	DBEst	885345
AA676460	DBEst	2656982
R53442	DBEst	815344
H10335	DBEst	875157
H10009	DBEst	874831
AA169469	DBEst	1747877
H96867	DBEst	1110353

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N48899	DBEst	1190065
R43449	DBEst	819967
H09087	DBEst	873909
W46577	DBEst	1331242
H17520	DBEst	883760
T53298	DBEst	655158
H24317	DBEst	893012
AA599187	DBEst	2432812
N59534	DBEst	1203424
AA664180	DBEst	2618171
W47362	DBEst	1332001
T98628	DBEst	748365
AA026413	DBEst	1492314
AA010557	DBEst	1471603
AA464702	DBEst	2189586
W91885	DBEst	1424267
W44340	DBEst	1329899
AA458486	DBEst	2183393
AA127069	DBEst	1687662
AA126676	DBEst	1687805
N34637	DBEst	1155779
W90323	DBEst	1406703
H70603	DBEst	1042419
N50962	DBEst	1192128
N35082	DBEst	1156224
H49517	DBEst	989358
AA457718	DBEst	2180438
R99293	DBEst	985894
H49519	DBEst	989360
H48251	DBEst	986638
AA448251	DBEst	2161921
AA148945	DBEst	1718980
N51441	DBEst	1192607
N34799	DBEst	1155941
W47015	DBEst	1331673
W90740	DBEst	1406686
AA043965	DBEst	1521823
AA670357	DBEst	2631856
AA664195	DBEst	2618186
AA018980	DBEst	1482372
N53447	DBEst	1194613
AA644657	DBEst	2569875
AA041396	DBEst	1517630
N53380	DBEst	1194546
AA669689	DBEst	2631188
AA016234	DBEst	1477281
AA644211	DBEst	2569429
AA454753	DBEst	2177529
R95691	DBEst	981351
W72329	DBEst	1383084
N20593	DBEst	1125548
N69049	DBEst	1225210
N72259	DBEst	1229363
N36123	DBEst	1157265
N30156	DBEst	1148676
H98742	DBEst	1123410

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N51944	DBEst	1193110
AA630328	DBEst	2552939
N52136	DBEst	1193397
AA001432	DBEst	1437117
AA425722	DBEst	2106442
T89094	DBEst	717607
AA055585	DBEst	1547950
H21040	DBEst	889735
H09064	DBEst	873886
H15445	DBEst	880265
AA437106	DBEst	2142020
H17929	DBEst	884169
AA461118	DBEst	2186238
R41754	DBEst	817461
H19246	DBEst	885486
T52674	DBEst	654534
N22140	DBEst	1128274
R15443	DBEst	768191
AA427899	DBEst	2111679
R38899	DBEst	796355
R55763	DBEst	825838
AA676877	DBEst	2657399
H22944	DBEst	891639
AA463517	DBEst	2188401
AA405800	DBEst	2063783
R43550	DBEst	821479
R52961	DBEst	814863
AA669603	DBEst	2631102
AA630320	DBEst	2552931
T57069	DBEst	658930
AA701455	DBEst	2704620
W70234	DBEst	1379503
T48692	DBEst	650552
H19315	DBEst	885555
R52796	DBEst	814698
R44647	DBEst	824031
AA025421	DBEst	1491359
T50370	DBEst	652230
N72115	DBEst	1229219
AA425316	DBEst	2106072
T64437	DBEst	668302
AA621188	DBEst	2525127
AA045518	DBEst	1523754
AA165325	DBEst	1740553
T51617	DBEst	653477
AA057796	DBEst	1550447
H22946	DBEst	891641
T49655	DBEst	651515
N30615	DBEst	1149135
AA446451	DBEst	2159116
AA496794	DBEst	2230115
H28738	DBEst	899692
N51705	DBEst	1192871
N67702	DBEst	1219827
AA433920	DBEst	2138834
R43471	DBEst	819989



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA147320	DBEst	1716734
T60926	DBEst	663963
H96654	DBEst	1110140
AA176867	DBEst	1758071
AA487557	DBEst	2217721
AA172096	DBEst	1751154
AA147056	DBEst	1716430
T59431	DBEst	661268
T72850	DBEst	689525
R39234	DBEst	796690
R43093	DBEst	820154
AA461508	DBEst	2185372
AA488297	DBEst	2215728
R43873	DBEst	821751
T68878	DBEst	680026
AA470081	DBEst	2197390
R53578	DBEst	815480
H80749	DBEst	1058838
AA054704	DBEst	1545796
AA142980	DBEst	1712439
H98780	DBEst	1123448
H99394	DBEst	1124062
AA460282	DBEst	2185098
N27145	DBEst	1141493
H82527	DBEst	1060616
N20989	DBEst	1126159
N36421	DBEst	1157563
N29639	DBEst	1148159
AA136707	DBEst	1697917
N21081	DBEst	1126251
W81472	DBEst	1392502
AA459898	DBEst	2183344
R17096	DBEst	770706
N72116	DBEst	1229220
N73316	DBEst	1230420
W80715	DBEst	1391733
N80834	DBEst	1243535
W47325	DBEst	1331983
R95913	DBEst	981573
AA005145	DBEst	1448381
W45031	DBEst	1329112
H38110	DBEst	907609
AA404260	DBEst	2059019
AA151111	DBEst	1722660
AA150416	DBEst	1721929
AA453468	DBEst	2167137
AA115533	DBEst	1670129
N73680	DBEst	1230965
AA035745	DBEst	1507573
N54157	DBEst	1195323
W57818	DBEst	1364533
W86291	DBEst	1398729
AA001749	DBEst	1445543
W46415	DBEst	1331045
R11047	DBEst	763782
R91689	DBEst	959229

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W90128	DBEst	1406118
AA663983	DBEst	2617974
W90520	DBEst	1406325
AA633901	DBEst	2557115
AA156946	DBEst	1728561
AA434388	DBEst	2139302
W93523	DBEst	1422644
AA629904	DBEst	2552515
R99847	DBEst	986448
AA683550	DBEst	2670148
T51592	DBEst	653452
AA022666	DBEst	1486747
H68885	DBEst	1030115
AA488175	DBEst	2215606
AA401441	DBEst	2053649
T51936	DBEst	653796
AA630784	DBEst	2553395
N94428	DBEst	1266737
T51990	DBEst	653850
AA679864	DBEst	2656331
AA496678	DBEst	2229999
T51995	DBEst	653855
R24266	DBEst	779154
AA416787	DBEst	2077741
H08816	DBEst	873638
AA406180	DBEst	2064179
H17413	DBEst	883653
AA034945	DBEst	1507024
AA668178	DBEst	2629677
R43271	DBEst	821378
W68396	DBEst	1377267
T69563	DBEst	680711
W69790	DBEst	1379048
AA428939	DBEst	2110523
R38619	DBEst	796075
AA629265	DBEst	2541652
R98050	DBEst	983710
AA099372	DBEst	1645290
R59167	DBEst	829862
AA625662	DBEst	2538049
AA683102	DBEst	2668993
AA182680	DBEst	1766519
AA425420	DBEst	2106176
T64452	DBEst	668317
AA419092	DBEst	2078820
H86812	DBEst	1068391
T52564	DBEst	654424
AA620553	DBEst	2524492
R59187	DBEst	829882
AA683041	DBEst	2668932
AA488636	DBEst	2216067
AA625981	DBEst	2538368
AA186873	DBEst	1775008
H29308	DBEst	900218
T51125	DBEst	652985
H24327	DBEst	893022

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
T47291	DBEst	649273
H09062	DBEst	873884
N78927	DBEst	1241628
W93520	DBEst	1422641
AA437136	DBEst	2142050
T61888	DBEst	665131
H23482	DBEst	892177
N69322	DBEst	1225483
N63312	DBEst	1211141
T48649	DBEst	650509
AA164676	DBEst	1740837
H29050	DBEst	899960
AA219045	DBEst	1833137
AA403295	DBEst	2055795
T49146	DBEst	651006
H17960	DBEst	884200
AA431429	DBEst	2115137
H09940	DBEst	874762
AA150532	DBEst	1722088
AA461511	DBEst	2185375
W90728	DBEst	1406674
AA131664	DBEst	1693172
N36402	DBEst	1157544
N36923	DBEst	1158065
N64801	DBEst	1212630
AA034041	DBEst	1505850
AA485730	DBEst	2214949
W93120	DBEst	1422282
AA024832	DBEst	1489746
H51050	DBEst	990891
N78909	DBEst	1241610
W81196	DBEst	1392235
H51271	DBEst	991112
N51961	DBEst	1193127
T99852	DBEst	749589
W93592	DBEst	1422713
AA485424	DBEst	2214643
AA044826	DBEst	1523029
N49209	DBEst	1190375
AA137072	DBEst	1698289
W73010	DBEst	1383153
H53602	DBEst	993749
AA010617	DBEst	1471643
AA447583	DBEst	2161253
AA131239	DBEst	1692766
N90779	DBEst	1444106
N63195	DBEst	1211024
H63959	DBEst	1018760
AA447610	DBEst	2161280
N40917	DBEst	1164515
N70848	DBEst	1227428
W84789	DBEst	1395909
AA034939	DBEst	1507018
AA004842	DBEst	1447679
W51985	DBEst	1349239
AA043347	DBEst	1521421

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W88758	DBEst	1404240
N53360	DBEst	1194526
AA150298	DBEst	1721966
AA427778	DBEst	2112358
W90164	DBEst	1406303
AA001884	DBEst	1445269
N55355	DBEst	1198234
W81135	DBEst	1391349
AA429661	DBEst	2113038
N63447	DBEst	1211276
AA701502	DBEst	2704667
AA127965	DBEst	1687227
R52286	DBEst	814188
AA664179	DBEst	2618170
AA010000	DBEst	1471047
AA017379	DBEst	1479590
N67810	DBEst	1219935
H41144	DBEst	917196
AA133469	DBEst	1690437
N70776	DBEst	1227356
AA679907	DBEst	2656374
N72210	DBEst	1229314
AA457696	DBEst	2180416
N35888	DBEst	1157030
AA156988	DBEst	1728603
H15442	DBEst	880262
AA018676	DBEst	1481941
H29276	DBEst	900186
AA426087	DBEst	2106576
AA460291	DBEst	2185107
H17038	DBEst	883278
H88599	DBEst	1114580
T59858	DBEst	661695
R37566	DBEst	795022
AA136054	DBEst	1697264
H45976	DBEst	922028
AA670380	DBEst	2631879
H23426	DBEst	892121
R44562	DBEst	823951
AA401345	DBEst	2053761
AA027042	DBEst	1493232
H11092	DBEst	875912
R43863	DBEst	821742
AA670155	DBEst	2631654
T56745	DBEst	658606
R10662	DBEst	762618
AA669637	DBEst	2631136
T49401	DBEst	651261
W72250	DBEst	1382922
H17528	DBEst	883768
H09624	DBEst	874446
AA425908	DBEst	2107831
T62040	DBEst	665283
N26539	DBEst	1140887
H16813	DBEst	883053
R52530	DBEst	814432

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA461098	DBEst	2186218
AA431782	DBEst	2115490
H67864	DBEst	1114450
T46979	DBEst	648962
AA404565	DBEst	2059307
H17635	DBEst	883875
W40150	DBEst	1324406
T57765	DBEst	659626
W72909	DBEst	1383044
H16686	DBEst	882926
H94745	DBEst	1102378
AA102130	DBEst	1646186
AA401341	DBEst	2053757
T61456	DBEst	664493
H15695	DBEst	880515
N29857	DBEst	1148377
W93155	DBEst	1422524
H09636	DBEst	874458
AA427887	DBEst	2111667
AA211459	DBEst	1810104
AA127442	DBEst	1686732
T59256	DBEst	661093
R26131	DBEst	782266
AA189113	DBEst	1776165
N20796	DBEst	1125977
T57851	DBEst	659712
R44346	DBEst	820642
T61050	DBEst	664087
AA219100	DBEst	1833282
AA135001	DBEst	1696102
H18076	DBEst	884316
AA188366	DBEst	1775400
AA453991	DBEst	2167660
T41173	DBEst	648736
AA001639	DBEst	1445196
W84716	DBEst	1395825
AA131466	DBEst	1693089
N38860	DBEst	1162067
N80848	DBEst	1243549
W78156	DBEst	1388679
N89738	DBEst	1443065
AA454014	DBEst	2167683
AA455291	DBEst	2178067
N50827	DBEst	1191993
N93740	DBEst	1266049
R67886	DBEst	840524
T78942	DBEst	697451
N57950	DBEst	1201840
AA431796	DBEst	2115504
N70059	DBEst	1226639
AA448182	DBEst	2161852
N72882	DBEst	1229986
N30655	DBEst	1149175
AA448277	DBEst	2161947
N24914	DBEst	1139064
AA485428	DBEst	2214647

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N76097	DBEst	1238675
AA454754	DBEst	2177530
R94947	DBEst	973677
AA099153	DBEst	1645040
W72167	DBEst	1382840
AA133665	DBEst	1690839
W92417	DBEst	1424781
AA676998	DBEst	2657520
AA457137	DBEst	2179857
AA458453	DBEst	2183360
N79548	DBEst	1242249
AA454612	DBEst	2177388
AA479058	DBEst	2207614
W81124	DBEst	1391623
AA458480	DBEst	2183387
W73889	DBEst	1382284
N79813	DBEst	1242514
R28004	DBEst	784139
AA010223	DBEst	1471250
AA004525	DBEst	1448102
N81032	DBEst	1243733
AA460299	DBEst	2185115
W48852	DBEst	1336981
AA629591	DBEst	2552202
N68007	DBEst	1224168
AA284184	DBEst	1928529
AA009593	DBEst	1470752
AA009628	DBEst	1470768
AA284281	DBEst	1928563
AA457115	DBEst	2179835
AA677306	DBEst	2657828
H98683	DBEst	1123351
AA443582	DBEst	2156257
AA010406	DBEst	1471452
AA678139	DBEst	2658661
AA419264	DBEst	2078977
T52999	DBEst	654859
H84871	DBEst	1064170
AA430032	DBEst	2113206
T97276	DBEst	746621
T60082	DBEst	661919
N33237	DBEst	1153636
AA625806	DBEst	2538193
N46843	DBEst	1188009
T72088	DBEst	686609
R63918	DBEst	835797
AA071526	DBEst	1578914
AA293571	DBEst	1941238
N35079	DBEst	1156221
T55607	DBEst	657468
T72825	DBEst	689500
H26182	DBEst	895305
AA425299	DBEst	2106109
H68848	DBEst	1030358
T53404	DBEst	655264
R53527	DBEst	815429

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA668703	DBEst	2630202
AA676604	DBEst	2657126
AA400151	DBEst	2053953
AA702663	DBEst	2705776
AA451895	DBEst	2165564
T54164	DBEst	656025
AA147043	DBEst	1716450
T68461	DBEst	679609
AA292382	DBEst	1940377
AA429895	DBEst	2113067
AA292226	DBEst	1940362
AA668425	DBEst	2629924
AA487428	DBEst	2217592
T74768	DBEst	691443
AA668527	DBEst	2630026
AA115076	DBEst	1670339
AA129777	DBEst	1690188
AA426374	DBEst	2106646
AA479910	DBEst	2204392
H10192	DBEst	875014
H29555	DBEst	900465
W47101	DBEst	1331760
AA041251	DBEst	1517485
T50137	DBEst	651997
AA186804	DBEst	1774922
AA488413	DBEst	2215844
AA037229	DBEst	1512526
AA045074	DBEst	1523555
AA489470	DBEst	2219072
AA463493	DBEst	2188377
H11274	DBEst	876094
AA460849	DBEst	2185969
H16262	DBEst	881082
H24355	DBEst	893050
H17625	DBEst	883865
T51620	DBEst	653480
H72122	DBEst	1043938
AA446881	DBEst	2159546
T52152	DBEst	654012
T59665	DBEst	661502
R38917	DBEst	796373
AA487252	DBEst	2217416
R39044	DBEst	796500
H09716	DBEst	874538
H23216	DBEst	891911
AA155748	DBEst	1727425
T65736	DBEst	674781
H10761	DBEst	875581
R27457	DBEst	783592
AA625634	DBEst	2538021
H17506	DBEst	883746
AA045574	DBEst	1525319
W86245	DBEst	1398753
N30152	DBEst	1148672
AA460347	DBEst	2185560
W80361	DBEst	1391438

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W86857	DBEst	1400586
AA457707	DBEst	2180427
N50515	DBEst	1191681
AA454605	DBEst	2177381
W37372	DBEst	1318985
N52315	DBEst	1193481
R98407	DBEst	985119
W81603	DBEst	1392642
AA004719	DBEst	1448624
AA010214	DBEst	1471241
AA007687	DBEst	1463679
AA457138	DBEst	2179858
W47641	DBEst	1332319
H56640	DBEst	1005284
H90767	DBEst	1081197
W56790	DBEst	1358687
AA133215	DBEst	1689977
N71080	DBEst	1227660
N95226	DBEst	1267507
N45091	DBEst	1186257
W95041	DBEst	1424180
W86586	DBEst	1400333
AA045340	DBEst	1523542
AA156863	DBEst	1728478
AA102526	DBEst	1647657
AA033987	DBEst	1505796
AA454861	DBEst	2177637
N45318	DBEst	1186484
R89584	DBEst	954411
AA485865	DBEst	2215084
W90726	DBEst	1406672
AA056232	DBEst	1548569
AA676970	DBEst	2657492
AA046067	DBEst	1526164
N98591	DBEst	1270206
AA464168	DBEst	2189052
AA099169	DBEst	1645269
AA054585	DBEst	1545654
N59270	DBEst	1203160
W56349	DBEst	1358239
R89225	DBEst	954052
AA437226	DBEst	2142140
W93024	DBEst	1422175
AA025746	DBEst	1491130
AA055179	DBEst	1547545
H57052	DBEst	1009884
AA150507	DBEst	1722021
AA004681	DBEst	1448218
AA136283	DBEst	1697491
N30372	DBEst	1148892
W94911	DBEst	1424043
W60057	DBEst	1366816
AA676404	DBEst	2656926
AA447588	DBEst	2161258
AA464979	DBEst	2189863
AA448271	DBEst	2161941



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H97146	DBEst	1114189
R77293	DBEst	851925
AA430698	DBEst	2111254
AA029934	DBEst	1496162
N95495	DBEst	1267834
AA454562	DBEst	2177338
AA436187	DBEst	2141101
AA149287	DBEst	1719863
H80712	DBEst	1058801
AA443899	DBEst	2156574
AA425224	DBEst	2106087
R16838	DBEst	770448
H18004	DBEst	884244
AA478298	DBEst	2206932
AA425769	DBEst	2106489
R32439	DBEst	788282
R05503	DBEst	756123
T82439	DBEst	709641
R41973	DBEst	817668
AA700048	DBEst	2703011
H15089	DBEst	879909
R42668	DBEst	819613
AA416759	DBEst	2077713
N26665	DBEst	1141013
H08720	DBEst	873542
H08196	DBEst	873018
N59115	DBEst	1203005
H18949	DBEst	885189
AA626698	DBEst	2539085
N94487	DBEst	1266796
AA442853	DBEst	2155528
H09739	DBEst	874561
N90109	DBEst	1443436
AA633747	DBEst	2556961
AA425336	DBEst	2106110
H09332	DBEst	874154
AA187349	DBEst	1773559
AA292074	DBEst	1940060
AA187148	DBEst	1775265
H09730	DBEst	874552
N71782	DBEst	1228494
W80489	DBEst	1391604
H09747	DBEst	874569
T62844	DBEst	666501
AA428604	DBEst	2112797
AA487899	DBEst	2215330
AA400022	DBEst	2053843
AA446025	DBEst	2158690
N99049	DBEst	1270483
R52526	DBEst	814428
N27118	DBEst	1141466
T47601	DBEst	649581
N90523	DBEst	1443850
T55608	DBEst	657469
AA598945	DBEst	2432617
AA432066	DBEst	2115774

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA488432	DBEst	2215863
AA190629	DBEst	1779742
T49635	DBEst	651495
AA486281	DBEst	2216497
T69593	DBEst	680741
AA130866	DBEst	1692354
T48942	DBEst	650802
H11467	DBEst	876287
R44163	DBEst	822027
H16736	DBEst	882976
T56013	DBEst	657874
AA172048	DBEst	1751124
R43535	DBEst	821464
R41994	DBEst	817689
AA131909	DBEst	1693407
AA131760	DBEst	1693249
AA454563	DBEst	2177339
N71692	DBEst	1228404
H99811	DBEst	1124479
T96593	DBEst	735217
W93154	DBEst	1422523
N62936	DBEst	1210765
N35922	DBEst	1157064
AA007634	DBEst	1463620
N95558	DBEst	1267847
AA454584	DBEst	2177360
N75569	DBEst	1238147
N29326	DBEst	1147846
AA043878	DBEst	1521801
N94435	DBEst	1266744
W87939	DBEst	1402023
AA046321	DBEst	1526214
AA454617	DBEst	2177393
AA431435	DBEst	2115143
AA134753	DBEst	1695329
AA427719	DBEst	2112179
W37375	DBEst	1319114
AA011182	DBEst	1472209
AA496283	DBEst	2229604
W42587	DBEst	1327057
H79979	DBEst	1058068
N49853	DBEst	1191019
N27179	DBEst	1141527
AA453477	DBEst	2167146
R31180	DBEst	787023
R26046	DBEst	782181
N52482	DBEst	1193648
AA022684	DBEst	1486792
N23340	DBEst	1137490
H80685	DBEst	1058774
AA699926	DBEst	2702889
AA448189	DBEst	2161859
AA074511	DBEst	1614398
N35250	DBEst	1156392
N33030	DBEst	1153429
N32281	DBEst	1152680

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA157017	DBEst	1728633
N29800	DBEst	1148320
AA664009	DBEst	2618000
H85557	DBEst	1064632
AA485427	DBEst	2214646
W69178	DBEst	1378660
AA621535	DBEst	2525474
R56055	DBEst	826161
AA056013	DBEst	1548352
AA142943	DBEst	1712321
AA455235	DBEst	2178011
T54320	DBEst	656181
AA626370	DBEst	2538757
H11938	DBEst	876758
T56281	DBEst	658142
AA664101	DBEst	2618092
AA485371	DBEst	2214590
H59231	DBEst	1012063
AA663440	DBEst	2617431
H19203	DBEst	885443
W96325	DBEst	1426280
AA630354	DBEst	2552965
AA428196	DBEst	2111846
AA156571	DBEst	1728222
AA676458	DBEst	2656980
AA610066	DBEst	2458494
AA400068	DBEst	2053871
R52682	DBEst	814584
AA634028	DBEst	2557242
H90431	DBEst	1080861
AA057378	DBEst	1550017
R44048	DBEst	821916
AA086476	DBEst	1629123
T57241	DBEst	659102
AA055350	DBEst	1547688
R55945	DBEst	826051
AA434088	DBEst	2139002
T55547	DBEst	657408
T56804	DBEst	658665
AA166810	DBEst	1745258
AA485934	DBEst	2216158
H22824	DBEst	891519
W42508	DBEst	1327242
H29596	DBEst	900506
AA158252	DBEst	1733047
H29215	DBEst	900125
AA085713	DBEst	1629469
AA173573	DBEst	1753705
H10403	DBEst	875225
AA608646	DBEst	2457074
N21576	DBEst	1126746
AA488672	DBEst	2216103
T59014	DBEst	660851
W72033	DBEst	1382413
H29257	DBEst	900167

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
T59670	DBEst	661507
AA165410	DBEst	1741469
H23111	DBEst	891806
AA488652	DBEst	2216083
W85890	DBEst	1398319
AA135824	DBEst	1697084
AA150502	DBEst	1722016
H58000	DBEst	1010832
N58473	DBEst	1202363
N45301	DBEst	1186467
W88965	DBEst	1404001
AA151553	DBEst	1720058
AA001970	DBEst	1445405
W93086	DBEst	1422248
R87650	DBEst	946463
AA007516	DBEst	1463492
W96452	DBEst	1426379
AA454600	DBEst	2177376
W93688	DBEst	1422810
H90292	DBEst	1080722
H40350	DBEst	916402
N46321	DBEst	1187487
R06123	DBEst	756743
AA004903	DBEst	1448363
AA063615	DBEst	1557582
AA476273	DBEst	2204484
N92764	DBEst	1265073
AA424695	DBEst	2102745
W81410	DBEst	1392440
AA496360	DBEst	2229681
N62464	DBEst	1210293
AA024827	DBEst	1489741
AA703141	DBEst	2706254
W69669	DBEst	1378928
T52830	DBEst	654690
AA045825	DBEst	1525719
N74623	DBEst	1231908
AA460841	DBEst	2185961
AA454172	DBEst	2167841
AA131299	DBEst	1692932
AA443585	DBEst	2156260
AA459383	DBEst	2184290
AA459674	DBEst	2184581
AA482119	DBEst	2209797
H68286	DBEst	1027026
AA004528	DBEst	1448105
AA460305	DBEst	2185121
N39542	DBEst	1162749
AA447978	DBEst	2161648
AA419251	DBEst	2078964
AA004612	DBEst	1448479
AA457688	DBEst	2180408
H17036	DBEst	883276
T69603	DBEst	680751
H16751	DBEst	882991
AA035455	DBEst	1507179

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA401883	DBEst	2055902
H08136	DBEst	872958
AA427891	DBEst	2111671
AA633811	DBEst	2557025
H29513	DBEst	900423
T58652	DBEst	660489
AA677687	DBEst	2658209
T88721	DBEst	717234
AA025275	DBEst	1489475
AA481438	DBEst	2210990
H11036	DBEst	875856
R43352	DBEst	801576
N41021	DBEst	1164619
T48367	DBEst	650347
AA446462	DBEst	2159127
AA430540	DBEst	2111115
W92431	DBEst	1424815
T69562	DBEst	680710
R95732	DBEst	981392
AA150402	DBEst	1721978
H17800	DBEst	884040
H11042	DBEst	875862
N90783	DBEst	1444110
H11006	DBEst	875826
R43701	DBEst	821614
N33955	DBEst	1154355
W72816	DBEst	1382792
AA043996	DBEst	1521854
AA129171	DBEst	1688955
N20335	DBEst	1125290
R16195	DBEst	768197
AA488177	DBEst	2215608
R55705	DBEst	825000
AA620556	DBEst	2524495
W72263	DBEst	1382866
AA425382	DBEst	2106165
R43972	DBEst	821846
AA489329	DBEst	2218931
H64780	DBEst	1114677
W92263	DBEst	1424628
AA429882	DBEst	2113054
R38369	DBEst	795825
AA151574	DBEst	1720192
R41730	DBEst	817437
AA169814	DBEst	1748164
N29992	DBEst	1148512
AA405571	DBEst	2063065
AA186348	DBEst	1774449
AA425320	DBEst	2106094
T59442	DBEst	661279
T60160	DBEst	661997
AA598987	DBEst	2432027
R43078	DBEst	820139
H09757	DBEst	874579
W81371	DBEst	1392613
AA479883	DBEst	2204365

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA085589	DBEst	1629152
AA457223	DBEst	2179943
N30436	DBEst	1148956
N35383	DBEst	1156525
N70841	DBEst	1227421
W15542	DBEst	1289943
AA457119	DBEst	2179839
AA136532	DBEst	1697887
H58234	DBEst	1011066
AA151117	DBEst	1722666
T81329	DBEst	704214
AA131530	DBEst	1693081
W91980	DBEst	1424413
N92404	DBEst	1264713
W76539	DBEst	1386774
N72213	DBEst	1229317
AA459282	DBEst	2184189
T83864	DBEst	712152
T95839	DBEst	734463
AA004824	DBEst	1448331
W37447	DBEst	1319061
AA443119	DBEst	2155794
N90999	DBEst	1444326
R93185	DBEst	967351
N32057	DBEst	1152456
T95909	DBEst	734533
H99930	DBEst	1124598
N27154	DBEst	1141502
W89071	DBEst	1404164
AA416890	DBEst	2076971
H98201	DBEst	1119086
AA460012	DBEst	2184896
N36098	DBEst	1157240
AA669545	DBEst	2631044
N92611	DBEst	1264920
R26106	DBEst	782241
AA018591	DBEst	1481846
N36994	DBEst	1158136
AA013481	DBEst	1474547
W63785	DBEst	1371386
H91641	DBEst	1087219
R65775	DBEst	838413
N45221	DBEst	1186387
AA131325	DBEst	1693012
AA151127	DBEst	1722676
AA126828	DBEst	1687599
R15785	DBEst	768200
N35086	DBEst	1156228
AA043133	DBEst	1521126
AA404352	DBEst	2059077
W70343	DBEst	1379643
AA040387	DBEst	1516683
AA485422	DBEst	2214641
N32199	DBEst	1152598
W72803	DBEst	1382916
AA454689	DBEst	2177465

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W69211	DBEst	1378471
N89861	DBEst	1443188
N30428	DBEst	1148948
N75572	DBEst	1238150
AA113881	DBEst	1667766
AA430576	DBEst	2111135
AA404486	DBEst	2059228
AA629567	DBEst	2552178
AA443971	DBEst	2156646
R43869	DBEst	821747
AA461325	DBEst	2186445
AA421518	DBEst	2100614
AA042990	DBEst	1522505
AA630459	DBEst	2553070
AA019320	DBEst	1482731
H09243	DBEst	874065
H10673	DBEst	875495
R46202	DBEst	805599
AA130874	DBEst	1692362
T57691	DBEst	659552
H49053	DBEst	988894
AA670438	DBEst	2631937
N26062	DBEst	1140410
AA676663	DBEst	2657185
AA400262	DBEst	2054142
AA676588	DBEst	2657110
AA682819	DBEst	2669502
H99257	DBEst	1123925
H09769	DBEst	874591
AA629923	DBEst	2552534
T71686	DBEst	686207
AA634006	DBEst	2557220
T57803	DBEst	659664
N27741	DBEst	1142222
AA424824	DBEst	2106929
AA485742	DBEst	2214961
AA156461	DBEst	1728086
AA488178	DBEst	2215609
H07926	DBEst	872748
AA682386	DBEst	2669667
W45148	DBEst	1329239
T51630	DBEst	653490
H10079	DBEst	874901
AA678280	DBEst	2658802
AA680244	DBEst	2656212
R20641	DBEst	775422
T64465	DBEst	673510
R43456	DBEst	819974
R53428	DBEst	815330
T68887	DBEst	680035
H18920	DBEst	885160
AA489813	DBEst	2220697
H11063	DBEst	875883
H11476	DBEst	876296
AA056608	DBEst	1548948
AA421265	DBEst	2100090

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<u>ACC NOM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H17020	DBEst	883260
R06746	DBEst	757366
W86002	DBEst	1398451
AA459936	DBEst	2184820
N59249	DBEst	1203139
AA150422	DBEst	1721935
N49589	DBEst	1190755
AA026167	DBEst	1492638
R06918	DBEst	758841
W89128	DBEst	1404490
AA026388	DBEst	1492289
N47113	DBEst	1188279
AA101632	DBEst	1648568
AA150896	DBEst	1722426
AA455511	DBEst	2178287
R07142	DBEst	759065
R89104	DBEst	953931
N62077	DBEst	1210006
AA146969	DBEst	1716384
W91880	DBEst	1424262
H77729	DBEst	1055818
AA485377	DBEst	2214596
AA406020	DBEst	2064003
AA039512	DBEst	1516002
AA431753	DBEst	2115461
R53935	DBEst	815837
AA455476	DBEst	2178252
R93162	DBEst	967328
N59150	DBEst	1203040
AA700876	DBEst	2704041
AA156247	DBEst	1727865
AA157813	DBEst	1732642
R63920	DBEst	835799
H24006	DBEst	892701
AA419177	DBEst	2078924
AA430382	DBEst	2110957
AA464963	DBEst	2189847
N93247	DBEst	1265556
W86199	DBEst	1398749
N62924	DBEst	1210753
AA669758	DBEst	2631257
W90760	DBEst	1406726
W73790	DBEst	1383953
AA133778	DBEst	1690746
W04502	DBEst	1277242
AA412691	DBEst	2071297
AA464694	DBEst	2189578
N54540	DBEst	1195860
AA629687	DBEst	2552298
AA029415	DBEst	1496958
AA136612	DBEst	1697875
AA156674	DBEst	1728353
AA001376	DBEst	1436881
AA464688	DBEst	2189572
AA459401	DBEst	2184308
AA044390	DBEst	1522265



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA005140	DBEst	1448643
AA629909	DBEst	2552520
AA071486	DBEst	1578857
H18645	DBEst	884885
H09818	DBEst	874640
AA629262	DBEst	2541649
AA481481	DBEst	2211033
H09099	DBEst	873921
AA485362	DBEst	2214581
AA669136	DBEst	2630635
H99813	DBEst	1124481
H08582	DBEst	873404
W37769	DBEst	1319382
N56898	DBEst	1200788
H22568	DBEst	891263
H19229	DBEst	885469
N30096	DBEst	1148616
H09078	DBEst	873900
AA668821	DBEst	2630320
T68892	DBEst	680040
AA678335	DBEst	2658857
R80217	DBEst	856498
T89096	DBEst	717609
H23229	DBEst	891924
AA682293	DBEst	2669610
AA007419	DBEst	1463405
AA419229	DBEst	2078959
R44078	DBEst	821946
H10713	DBEst	875564
R37108	DBEst	794564
H22928	DBEst	891623
R44005	DBEst	821876
H72030	DBEst	1043846
T48761	DBEst	650621
R44769	DBEst	824146
R44214	DBEst	822077
H23277	DBEst	891972
W79920	DBEst	1390250
AA085676	DBEst	1629151
H95989	DBEst	1109131
AA411771	DBEst	2070367
AA486182	DBEst	2216398
T55871	DBEst	657732
AA460975	DBEst	2186095
AA469950	DBEst	2197259
AA064946	DBEst	1559210
AA488062	DBEst	2215493
AA142922	DBEst	1712428
T61343	DBEst	664380
AA416876	DBEst	2077014
AA463188	DBEst	2188072
N33041	DBEst	1153440
H10356	DBEst	875178
N71095	DBEst	1227675
AA599085	DBEst	2432710
H23434	DBEst	892129

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W32523	DBEst	1313513
H19429	DBEst	888124
AA406125	DBEst	2064169
AA400258	DBEst	2054138
AA488288	DBEst	2215719
AA460136	DBEst	2185521
AA487561	DBEst	2217725
R10154	DBEst	762110
AA431887	DBEst	2115595
AA176785	DBEst	1757934
T64919	DBEst	673964
AA496878	DBEst	2230199
W68585	DBEst	1377454
N30792	DBEst	1149312
W90660	DBEst	1406636
N52186	DBEst	1193320
AA004321	DBEst	1447956
N95621	DBEst	1267891
W93121	DBEst	1422283
N35025	DBEst	1156167
N46831	DBEst	1187997
AA148524	DBEst	1721742
AA151210	DBEst	1719465
AA431571	DBEst	2115279
W72692	DBEst	1382512
R34224	DBEst	790082
W31725	DBEst	1312718
N26407	DBEst	1140755
H93050	DBEst	1099378
AA670429	DBEst	2631928
N90419	DBEst	1443746
N52554	DBEst	1193720
AA683073	DBEst	2668964
R66541	DBEst	839179
N92924	DBEst	1265233
H95787	DBEst	1108929
AA157286	DBEst	1728894
N57577	DBEst	1201467
W51795	DBEst	1349846
N25240	DBEst	1139390
N94616	DBEst	1266925
AA405748	DBEst	2063732
N98336	DBEst	1269827
N45138	DBEst	1186304
W90705	DBEst	1406651
H95960	DBEst	1109102
N62862	DBEst	1210691
H97215	DBEst	1114258
AA056225	DBEst	1548562
AA630734	DBEst	2553345
N93438	DBEst	1265747
H73234	DBEst	1047382
N25969	DBEst	1140317
H27864	DBEst	898217
W80637	DBEst	1391654
AA427561	DBEst	2111429

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA055486	DBEst	1547825
T58543	DBEst	660380
N73499	DBEst	1230784
T51211	DBEst	653071
AA703187	DBEst	2706300
N66132	DBEst	1218257
H51549	DBEst	991390
AA487064	DBEst	2217228
AA001222	DBEst	1437297
AA598814	DBEst	2432486
AA702544	DBEst	2705657
AA504160	DBEst	2240320
H24206	DBEst	892901
N73625	DBEst	1230910
AA702541	DBEst	2705654
AA130579	DBEst	1692001
AA007299	DBEst	1463323
N26536	DBEst	1140884
AA446013	DBEst	2158678
N47443	DBEst	1188609
R53954	DBEst	815856
AA504465	DBEst	2240625
T59948	DBEst	661785
AA405569	DBEst	2063063
H54417	DBEst	994564
R42813	DBEst	801037
AA455126	DBEst	2177902
R37959	DBEst	795415
AA169159	DBEst	1747735
AA485353	DBEst	2214572
AA621026	DBEst	2524965
H10397	DBEst	875219
AA680300	DBEst	2656268
R37615	DBEst	795071
AA400393	DBEst	2054326
AA419143	DBEst	2078941
H16793	DBEst	883033
AA173290	DBEst	1753422
AA460732	DBEst	2185852
AA598808	DBEst	2432480
R54822	DBEst	819407
T72067	DBEst	686588
H16832	DBEst	883072
T64469	DBEst	673514
AA211446	DBEst	1810133
AA142919	DBEst	1712425
H17616	DBEst	883856
N90281	DBEst	1443608
AA113291	DBEst	1664996
AA417307	DBEst	2077415
H18646	DBEst	884886
AA164819	DBEst	1740980
AA451935	DBEst	2165604
R58948	DBEst	829643
R92011	DBEst	959551
N47522	DBEst	1188688

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W94295	DBEst	1423416
W70259	DBEst	1379528
AA002153	DBEst	1445068
AA431741	DBEst	2115449
N62595	DBEst	1210424
R08184	DBEst	760107
AA022886	DBEst	1486957
AA457737	DBEst	2180457
AA121266	DBEst	1678899
N68594	DBEst	1224755
W80635	DBEst	1391652
N48057	DBEst	1189223
W94896	DBEst	1424239
N30185	DBEst	1148705
N63034	DBEst	1210863
R08769	DBEst	768825
AA431749	DBEst	2115457
N92947	DBEst	1265256
AA011639	DBEst	1472676
H66150	DBEst	1024890
R91577	DBEst	959117
AA425450	DBEst	2106189
H67680	DBEst	1026420
H57306	DBEst	1010138
AA428960	DBEst	2110502
R78530	DBEst	854811
T68568	DBEst	679716
AA701652	DBEst	2704817
AA044814	DBEst	1523017
W85927	DBEst	1398516
AA069372	DBEst	1576730
N95752	DBEst	1268067
R55220	DBEst	824515
N40959	DBEst	1164557
W84790	DBEst	1395910
N38787	DBEst	1161994
T72202	DBEst	686723
AA443998	DBEst	2156673
R98487	DBEst	985004
AA634103	DBEst	2557317
W95001	DBEst	1424170
H29268	DBEst	900178
H29604	DBEst	900514
AA633993	DBEst	2557207
T61647	DBEst	664684
AA133566	DBEst	1690536
AA055835	DBEst	1548237
W73874	DBEst	1382268
H16743	DBEst	882983
R39098	DBEst	796554
AA644088	DBEst	2569306
H23278	DBEst	891973
W42723	DBEst	1327183
H15273	DBEst	880093
W73474	DBEst	1383606
R56607	DBEst	826713

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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R44739	DBEst	824117
R37093	DBEst	794549
W72201	DBEst	1382650
AA043506	DBEst	1521430
AA496032	DBEst	2229353
AA625758	DBEst	2538145
T68169	DBEst	679317
H97488	DBEst	1118373
H20847	DBEst	889542
R01941	DBEst	751677
AA621218	DBEst	2525157
T72258	DBEst	686779
H09774	DBEst	874596
T61866	DBEst	665109
T74688	DBEst	691363
H16796	DBEst	883036
H15522	DBEst	880342
AA629862	DBEst	2552473
H18913	DBEst	885153
AA420965	DBEst	2099816
AA191463	DBEst	1780170
AA056395	DBEst	1548735
R53059	DBEst	814961
AA486284	DBEst	2216500
T49657	DBEst	651517
AA457302	DBEst	2180022
AA432108	DBEst	2115816
AA121806	DBEst	1679456
T49816	DBEst	651676
AA156821	DBEst	1728640
N72879	DBEst	1229983
T54474	DBEst	656335
T47312	DBEst	649294
AA412184	DBEst	2070755
T48767	DBEst	650627
H87144	DBEst	1068723
T52363	DBEst	654223
AA130596	DBEst	1692018
AA126947	DBEst	1686417
AA113166	DBEst	1664729
AA486092	DBEst	2216308
W63789	DBEst	1371390
N22776	DBEst	1136926
T96924	DBEst	735548
H98086	DBEst	1118971
AA131694	DBEst	1693184
AA100696	DBEst	1648657
AA007522	DBEst	1463498
AA459293	DBEst	2184200
AA149827	DBEst	1720906
W93482	DBEst	1422623
AA099357	DBEst	1645257
N30117	DBEst	1148637
AA004369	DBEst	1447983
AA431438	DBEst	2115146

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N69044	DBEst	1225205
N30316	DBEst	1148836
AA464744	DBEst	2189628
W70313	DBEst	1379623
AA099138	DBEst	1645025
N68864	DBEst	1225025
H98255	DBEst	1119140
W73753	DBEst	1383898
AA444051	DBEst	2156726
N77828	DBEst	1240529
AA047190	DBEst	1525090
AA041476	DBEst	1517710
W42451	DBEst	1326941
N70212	DBEst	1226792
N63478	DBEst	1211307
AA043501	DBEst	1521425
AA025819	DBEst	1491222
W81546	DBEst	1392575
AA481745	DBEst	2211297
AA683077	DBEst	2668968
N95435	DBEst	1267706
N51499	DBEst	1192665
AA002091	DBEst	1445707
AA461524	DBEst	2185388
N66644	DBEst	1218769
N75473	DBEst	1238051
AA187351	DBEst	1773561
N22684	DBEst	1136834
AA447514	DBEst	2161184
W86282	DBEst	1398720
W46439	DBEst	1331069
AA629033	DBEst	2541420
W86216	DBEst	1398829
AA176957	DBEst	1758115
AA458838	DBEst	2183745
AA485871	DBEst	2215090
N34513	DBEst	1155655
AA630017	DBEst	2552628
T61649	DBEst	664686
H13623	DBEst	878443
AA609976	DBEst	2458404
T67128	DBEst	676568
T60482	DBEst	663519
AA127096	DBEst	1687673
N33214	DBEst	1153613
T53509	DBEst	655369
N47008	DBEst	1188174
AA702548	DBEst	2705661
T61351	DBEst	664388
W56771	DBEst	1358637
AA677534	DBEst	2658056
AA416664	DBEst	2077598
R97710	DBEst	983370
AA701655	DBEst	2704820
AA035310	DBEst	1507030
H08548	DBEst	873370

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA187340	DBEst	1773533
H18950	DBEst	885190
T62060	DBEst	665303
AA157261	DBEst	1728869
AA683520	DBEst	2670118
AA045326	DBEst	1523528
H56349	DBEst	1004993
R82176	DBEst	861567
AA430524	DBEst	2111081
AA644679	DBEst	2569897
H17411	DBEst	883651
H15549	DBEst	880369
AA416665	DBEst	2077599
T87224	DBEst	715576
R39804	DBEst	797260
AA416940	DBEst	2076986
R41972	DBEst	817667
H20859	DBEst	889554
AA401309	DBEst	2053614
AA457529	DBEst	2180249
H11320	DBEst	876140
AA158244	DBEst	1733039
R56054	DBEst	826160
AA400013	DBEst	2053754
H29265	DBEst	900175
AA181085	DBEst	1764551
R44077	DBEst	821945
H11376	DBEst	876196
AA778675	DBEst	2838006
AA608583	DBEst	2457011
AA488185	DBEst	2215616
AA434068	DBEst	2138982
H67707	DBEst	1026447
AA448002	DBEst	2161672
AA453997	DBEst	2167666
H66708	DBEst	1025448
AA137196	DBEst	1696965
R12386	DBEst	765462
W56597	DBEst	1358522
AA455284	DBEst	2178060
N62522	DBEst	1210351
AA099034	DBEst	1645475
R27319	DBEst	783454
AA025930	DBEst	1491429
N20939	DBEst	1126109
W67228	DBEst	1376097
AA009769	DBEst	1470572
N79778	DBEst	1242479
N34849	DBEst	1155991
AA004667	DBEst	1448204
AA453501	DBEst	2167170
AA131516	DBEst	1693022
R93543	DBEst	967709
AA001604	DBEst	1445301
N50056	DBEst	1191222

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA682423	DBEst	2669704
W80591	DBEst	1391628
H82872	DBEst	1061542
R89317	DBEst	954144
AA011096	DBEst	1472124
AA131663	DBEst	1693171
AA458498	DBEst	2183405
AA152183	DBEst	1721235
W04674	DBEst	1277462
AA447079	DBEst	2159744
AA699361	DBEst	2702555
R00265	DBEst	750001
AA009697	DBEst	1470560
AA421278	DBEst	2100103
AA147641	DBEst	1717012
W47552	DBEst	1332221
AA496022	DBEst	2229343
AA128008	DBEst	1687288
AA630094	DBEst	2552705
AA448268	DBEst	2161938
H58250	DBEst	1011082
N67487	DBEst	1219612
H51377	DBEst	991218
AA457700	DBEst	2180420
N54551	DBEst	1195871
AA122022	DBEst	1678105
AA663792	DBEst	2617783
AA132070	DBEst	1693560
AA443300	DBEst	2155975
N92478	DBEst	1264787
AA155913	DBEst	1727531
R78521	DBEst	854802
W68281	DBEst	1377170
AA486233	DBEst	2216449
AA043228	DBEst	1521083
AA444049	DBEst	2156724
AA291284	DBEst	1939455
T54527	DBEst	656388
AA416952	DBEst	2076998
AA047567	DBEst	1527247
AA676484	DBEst	2657006
H87471	DBEst	1069050
N32201	DBEst	1152600
W49619	DBEst	1338087
T40936	DBEst	648519
AA669126	DBEst	2630625
T40950	DBEst	648532
AA430668	DBEst	2111224
AA134871	DBEst	1695334
W72207	DBEst	1382656
T61269	DBEst	664306
AA663981	DBEst	2617972
AA009609	DBEst	1470750
H29044	DBEst	899954
AA677655	DBEst	2658177
T61792	DBEst	665035



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R44985	DBEst	824339
T58775	DBEst	660612
T59658	DBEst	661495
AA152347	DBEst	1719259
AA625995	DBEst	2538382
T41078	DBEst	648649
AA025150	DBEst	1490083
N93505	DBEst	1265814
R43300	DBEst	821407
AA626028	DBEst	2538415
N92901	DBEst	1265210
H11088	DBEst	875908
AA111969	DBEst	1664039
T41154	DBEst	648719
T62854	DBEst	666511
AA421819	DBEst	2100635
T46871	DBEst	648857
R43323	DBEst	821430
H20809	DBEst	889504
AA676453	DBEst	2656975
T46878	DBEst	648864
R43595	DBEst	821515
T68445	DBEst	679593
AA620455	DBEst	2524394
AA608713	DBEst	2457141
T74257	DBEst	690932
R64144	DBEst	836023
AA488391	DBEst	2215822
H11918	DBEst	876738
AA432056	DBEst	2115764
AA461166	DBEst	2186286
AA486561	DBEst	2216725
AA460952	DBEst	2186072
AA055656	DBEst	1547995
AA456131	DBEst	2179341
AA432103	DBEst	2115811
H10679	DBEst	875501
AA156597	DBEst	1728342
AA487145	DBEst	2217309
H29783	DBEst	900693
R38613	DBEst	796069
AA416684	DBEst	2077689
AA176220	DBEst	1757351
AA621315	DBEst	2525254
H10072	DBEst	874894
AA169832	DBEst	1748177
N70608	DBEst	1227188
AA460818	DBEst	2185938
AA167016	DBEst	1745391
AA486770	DBEst	2216934
AA460698	DBEst	2185818
AA065042	DBEst	1558691
AA486194	DBEst	2216410
AA053165	DBEst	1544374
N67295	DBEst	1219420
N32847	DBEst	1153246

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA169202	DBEst	1748184
N33264	DBEst	1153663
N95322	DBEst	1267592
N95353	DBEst	1267625
AA487552	DBEst	2217716
AA432075	DBEst	2115783
N78902	DBEst	1241603
AA430205	DBEst	2113378
N95073	DBEst	1267362
AA034055	DBEst	1505864
N95440	DBEst	1267750
AA621184	DBEst	2525123
AA404234	DBEst	2058976
AA431992	DBEst	2115700
AA191548	DBEst	1780211
AA404356	DBEst	2059081
H65596	DBEst	1024336
W23758	DBEst	1300592
AA101983	DBEst	1645916
AA420989	DBEst	2099822
R00075	DBEst	749811
W37999	DBEst	1319612
AA609332	DBEst	2457760
AA461084	DBEst	2186204
AA134570	DBEst	1695567
T83646	DBEst	711934
AA609686	DBEst	2458114
N69100	DBEst	1225261
AA609485	DBEst	2457913
H12105	DBEst	876925
N69781	DBEst	1226361
AA609566	DBEst	2457994
AA453420	DBEst	2167089
AA609749	DBEst	2458177
AA609585	DBEst	2458013
R59580	DBEst	830275
N70203	DBEst	1226783
AA070437	DBEst	1577815
R45567	DBEst	823781
N70455	DBEst	1227035
AA146826	DBEst	1716208
AA609774	DBEst	2458202
N70654	DBEst	1227234
AA609608	DBEst	2458036
AA454668	DBEst	2177444
R45292	DBEst	822151
AA609628	DBEst	2458056
N71303	DBEst	1227883
AA609632	DBEst	2458060
AA169475	DBEst	1747883
AA456432	DBEst	2179008
R45358	DBEst	822214
AA609908	DBEst	2458336
AA609647	DBEst	2458075
AA169498	DBEst	1747904
H11625	DBEst	876445

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA609951	DBEst	2458379
AA169606	DBEst	1747994
AA609953	DBEst	2458381
N67349	DBEst	1219474
AA609730	DBEst	2458158
AA464595	DBEst	2189479
H12254	DBEst	877074
R51494	DBEst	813396
AA873152	DBEst	2969274
H04810	DBEst	868362
AA399216	DBEst	2052969
AA417956	DBEst	2079775
H04826	DBEst	868378
AA872383	DBEst	2968561
N30404	DBEst	1148924
H04828	DBEst	868380
N31585	DBEst	1151984
AA872420	DBEst	2968598
H05085	DBEst	868637
N74524	DBEst	1231809
H05089	DBEst	868641
AA875933	DBEst	2985292
N62514	DBEst	1210343
AA410298	DBEst	2069259
AA399268	DBEst	2053003
R51758	DBEst	813660
AA875953	DBEst	2985312
AA449455	DBEst	2162846
N62866	DBEst	1210695
AA399264	DBEst	2052999
N64508	DBEst	1212337
AA410301	DBEst	2069262
H06154	DBEst	869706
R51871	DBEst	813773
AA878576	DBEst	2987541
AA418743	DBEst	2080544
AA838691	DBEst	2914803
W61264	DBEst	1368042
N69068	DBEst	1225229
W93106	DBEst	1422268
AA149051	DBEst	1719459
N48078	DBEst	1189244
N48080	DBEst	1189246
N48181	DBEst	1189347
N62618	DBEst	1210447
N48197	DBEst	1189363
W93861	DBEst	1423003
N48294	DBEst	1189460
W68630	DBEst	1377499
N62696	DBEst	1210525
AA173907	DBEst	1754039
N35070	DBEst	1156212
W69774	DBEst	1379032
N51496	DBEst	1192662
H89293	DBEst	1071553
AA052966	DBEst	1543966

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA171899	DBEst	1750975
W43028	DBEst	1327528
AA150484	DBEst	1721998
AA490182	DBEst	2221057
H96090	DBEst	1109232
N71463	DBEst	1228175
AA469923	DBEst	2197232
N63696	DBEst	1211525
AA047618	DBEst	1527272
AA487241	DBEst	2217405
AA423978	DBEst	2102939
AA608556	DBEst	2456984
AA156997	DBEst	1728612
H48278	DBEst	986665
W60283	DBEst	1367042
R74203	DBEst	848573
AA158234	DBEst	1733029
AA425877	DBEst	2106505
H95956	DBEst	1109098
W60701	DBEst	1367460
H96673	DBEst	1110159
AA453465	DBEst	2167134
W60817	DBEst	1367575
H47896	DBEst	923948
AA609454	DBEst	2457882
AA436009	DBEst	2140923
AA181723	DBEst	1765190
AA453466	DBEst	2167135
W63783	DBEst	1371384
H97565	DBEst	1118450
AA453489	DBEst	2167158
N69653	DBEst	1225814
AA159729	DBEst	1734698
T90779	DBEst	722692
AA027325	DBEst	1492942
N91947	DBEst	1264256
T82263	DBEst	705270
W72749	DBEst	1382727
AA449429	DBEst	2162820
AA447804	DBEst	2161474
AA456975	DBEst	2179695
AA460254	DBEst	2185070
AA432121	DBEst	2114509
R01197	DBEst	750933
AA449107	DBEst	2163127
AA436565	DBEst	2141479
N23652	DBEst	1137802
AA436463	DBEst	2141377
R10099	DBEst	762055
R91949	DBEst	959489
N51388	DBEst	1192554
AA436568	DBEst	2141482
N23867	DBEst	1138017
N51444	DBEst	1192610
AA609338	DBEst	2457766
AA478576	DBEst	2207210

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N23882	DBEst	1138032
AA256386	DBEst	1891925
N51625	DBEst	1192791
N51498	DBEst	1192664
AA609343	DBEst	2457771
AA609356	DBEst	2457784
AA410469	DBEst	2069593
N51639	DBEst	1192805
AA232939	DBEst	1855931
AA868929	DBEst	2964374
R42182	DBEst	820573
R93551	DBEst	967717
N25578	DBEst	1139926
N24789	DBEst	1138939
AA453014	DBEst	2166683
AA456850	DBEst	2179570
AA877840	DBEst	2986805
AA454633	DBEst	2177409
AA458625	DBEst	2183532
R42836	DBEst	819746
N32604	DBEst	1153003
AA458627	DBEst	2183534
AA446120	DBEst	2158785
AA253464	DBEst	1885639
N72288	DBEst	1229392
AA427947	DBEst	2111692
AA487127	DBEst	2217291
AA487432	DBEst	2217596
N98513	DBEst	1269938
AA189106	DBEst	1776158
H99490	DBEst	1124158
AA190313	DBEst	1779023
N73803	DBEst	1231088
N21553	DBEst	1126723
N34530	DBEst	1155672
AA417363	DBEst	2077673
N74958	DBEst	1237504
AA460826	DBEst	2185946
AA599094	DBEst	2432719
AA182796	DBEst	1766505
N74963	DBEst	1237509
AA446479	DBEst	2159144
AA040598	DBEst	1516876
AA459392	DBEst	2184299
H75776	DBEst	1049788
H62011	DBEst	1014843
N69913	DBEst	1226493
AA405559	DBEst	2063080
H65832	DBEst	1024572
AA446906	DBEst	2159571
AA412247	DBEst	2070817
AA121704	DBEst	1679336
H56091	DBEst	1004735
AA620485	DBEst	2524424
AA416543	DBEst	2077495
H81083	DBEst	1059172

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA151125	DBEst	1722674
AA115211	DBEst	1669939
H70163	DBEst	1040369
AA406037	DBEst	2064038
AA029452	DBEst	1496865
AA463486	DBEst	2188370
AA489826	DBEst	2220710
AA043349	DBEst	1521423
AA430002	DBEst	2113194
AA489840	DBEst	2220715
AA053035	DBEst	1544173
AA621232	DBEst	2525171
AA490048	DBEst	2220923
AA609987	DBEst	2458415
N67355	DBEst	1219480
H05091	DBEst	868643
N73477	DBEst	1230762
AA424566	DBEst	2103536
AA490216	DBEst	2219398
AA398233	DBEst	2051478
N73807	DBEst	1231092
AA456289	DBEst	2179499
H64380	DBEst	1023120
N48698	DBEst	1189864
AA620631	DBEst	2524570
AA609862	DBEst	2458290
AA479270	DBEst	2207826
H16401	DBEst	881221
AA620653	DBEst	2524592
AA609884	DBEst	2458312
R38919	DBEst	796375
R42421	DBEst	817187
N76040	DBEst	1238618
AA190488	DBEst	1779424
N76101	DBEst	1238679
AA609907	DBEst	2458335
T54298	DBEst	656159
AA620717	DBEst	2524656
AA447738	DBEst	2161408
T64887	DBEst	673932
AA460432	DBEst	2185178
T87324	DBEst	715676
AA410292	DBEst	2069253
AA878880	DBEst	2987845
AA418737	DBEst	2080538
R54416	DBEst	816318
AA878899	DBEst	2987864
AA410190	DBEst	2069286
AA757351	DBEst	2805214
AA418888	DBEst	2080707
AA890136	DBEst	3017015
AA844141	DBEst	2930592
AA449333	DBEst	2163182
H06377	DBEst	869929
AA867984	DBEst	2963429
AA418816	DBEst	2080617

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA449334	DBEst	2163183
AA436233	DBEst	2141147
AA868008	DBEst	2963453
AA418829	DBEst	2080630
AA436219	DBEst	2141133
AA398121	DBEst	2051230
AA885311	DBEst	2994388
H11968	DBEst	876788
AA845432	DBEst	2933191
AA398133	DBEst	2051242
H11987	DBEst	876807
AA838730	DBEst	2914842
R51631	DBEst	813533
AA418744	DBEst	2080636
AA406290	DBEst	2064274
AA406301	DBEst	2064285
AA397918	DBEst	2051259
AA418852	DBEst	2080671
W70242	DBEst	1379511
W58084	DBEst	1364818
W94363	DBEst	1423494
AA088791	DBEst	1634364
N56891	DBEst	1200781
W70046	DBEst	1379532
H89563	DBEst	1115032
W70264	DBEst	1379553
AA460666	DBEst	2185786
N62868	DBEst	1210697
W94419	DBEst	1423687
AA406069	DBEst	2064052
W94591	DBEst	1423713
AA416979	DBEst	2077087
W94620	DBEst	1423742
AA015799	DBEst	1476829
N62969	DBEst	1210798
AA463206	DBEst	2188090
N62996	DBEst	1210825
W95106	DBEst	1424224
AA486427	DBEst	2216591
N49732	DBEst	1190898
N63114	DBEst	1210943
N49746	DBEst	1190912
AA432090	DBEst	2115798
AA416997	DBEst	2077078
AA428139	DBEst	2111816
AA430497	DBEst	2111087
H99460	DBEst	1124128
AA160484	DBEst	1735912
AA432094	DBEst	2115802
AA186335	DBEst	1774563
AA437107	DBEst	2142021
H99704	DBEst	1124372
AA164301	DBEst	1741248
N32516	DBEst	1152915
N39544	DBEst	1162751
AA187982	DBEst	1774429

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA135929	DBEst	1696885
N36984	DBEst	1158126
AA487480	DBEst	2217644
AA458822	DBEst	2183729
W45453	DBEst	1329593
AA159630	DBEst	1741818
N21228	DBEst	1126398
AA456130	DBEst	2179340
AA456148	DBEst	2179358
N20045	DBEst	1124712
AA046618	DBEst	1524703
AA166917	DBEst	1745355
N69962	DBEst	1226542
AA191437	DBEst	1780116
AA457544	DBEst	2180264
H89505	DBEst	1079983
AA609422	DBEst	2457850
AA435945	DBEst	2140859
AA192757	DBEst	1782154
AA609432	DBEst	2457860
AA398356	DBEst	2051465
N51741	DBEst	1192907
AA609467	DBEst	2457895
AA435975	DBEst	2140889
AA620423	DBEst	2524362
AA464598	DBEst	2189482
AA194833	DBEst	1784523
N51883	DBEst	1193049
AA620463	DBEst	2524402
AA406233	DBEst	2064375
N27108	DBEst	1141456
AA437129	DBEst	2142043
AA455365	DBEst	2178141
N51987	DBEst	1193153
AA411669	DBEst	2069332
N27366	DBEst	1141847
AA437137	DBEst	2142051
R42880	DBEst	819788
AA443622	DBEst	2156297
H14342	DBEst	879162
N52189	DBEst	1193323
N29696	DBEst	1148216
AA446008	DBEst	2158673
AA194966	DBEst	1784679
N52137	DBEst	1193398
AA621216	DBEst	2525155
AA479950	DBEst	2208101
AA195651	DBEst	1785340
AA454651	DBEst	2177427
AA876021	DBEst	2984862
AA452578	DBEst	2166247
AA455962	DBEst	2178738
N51280	DBEst	1192446
N53534	DBEst	1194700
AA630449	DBEst	2553060



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA455010	DBEst	2177786
AA452816	DBEst	2166485
AA782337	DBEst	2841668
AA456063	DBEst	2178839
AA775091	DBEst	2834425
N79030	DBEst	1241731
AA256378	DBEst	1891917
AA775325	DBEst	2834659
AA456082	DBEst	2178858
AA775352	DBEst	2834686
AA456093	DBEst	2178869
R43258	DBEst	821365
AA676955	DBEst	2657477
W51794	DBEst	1349845
AA456635	DBEst	2179211
AA449821	DBEst	2163571
AA256459	DBEst	1891997
AA456112	DBEst	2178888
W72140	DBEst	1382607
AA456642	DBEst	2179218
AA676466	DBEst	2656988
W73810	DBEst	1383963
AA256461	DBEst	1891999
R44396	DBEst	820692
W74668	DBEst	1384900
N75386	DBEst	1237964
AA190882	DBEst	1779402
N75394	DBEst	1237972
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AA461320	DBEst	2186440
AA598994	DBEst	2432034
N34933	DBEst	1156075
W16792	DBEst	1291209
AA416686	DBEst	2077691
AA149641	DBEst	1720442
N34966	DBEst	1156108
T92200	DBEst	724113
W20396	DBEst	1296304
N80279	DBEst	1242980
N35222	DBEst	1156364
W23631	DBEst	1300446
N22007	DBEst	1128141
W31352	DBEst	1312363
W31566	DBEst	1312576
AA132524	DBEst	1694031
AA490058	DBEst	2220933
N51030	DBEst	1192196
AA044903	DBEst	1523107
AA487031	DBEst	2217195
AA490134	DBEst	2221009
AA044741	DBEst	1522944
AA012911	DBEst	1473938
AA126518	DBEst	1686111
AA456951	DBEst	2179671

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA122079	DBEst	1678117
AA485896	DBEst	2215115
AA459692	DBEst	2184599
AA496121	DBEst	2229442
N57659	DBEst	1201549
AA045300	DBEst	1523502
R02765	DBEst	752501
AA129520	DBEst	1689267
AA406083	DBEst	2064066
AA496133	DBEst	2229454
H97597	DBEst	1118482
AA161161	DBEst	1735398
AA405981	DBEst	2064087
N74363	DBEst	1231648
AA046829	DBEst	1524728
AA432152	DBEst	2114540
AA126803	DBEst	1686285
AA405984	DBEst	2064090
AA167130	DBEst	1745631
AA485877	DBEst	2215096
AA046430	DBEst	1526341
AA455483	DBEst	2178259
AA169798	DBEst	1748149
AA127419	DBEst	1686708
AA485445	DBEst	2214664
H22925	DBEst	891620
AA453787	DBEst	2167456
N59474	DBEst	1203364
T40568	DBEst	648185
T91853	DBEst	723766
AA398366	DBEst	2051493
R36989	DBEst	794445
AA609935	DBEst	2458363
R49459	DBEst	820357
T71214	DBEst	685735
N89814	DBEst	1443141
R51067	DBEst	812969
T83861	DBEst	712149
AA621065	DBEst	2525004
N90598	DBEst	1443925
AA452125	DBEst	2165794
T83842	DBEst	712130
R06716	DBEst	757336
AA464601	DBEst	2189485
R10347	DBEst	762303
N92804	DBEst	1265113
T91039	DBEst	722952
R43026	DBEst	820088
AA621637	DBEst	2525576
AA234519	DBEst	1859028
AA460438	DBEst	2185184
N95260	DBEst	1267569
AA610036	DBEst	2458464
N98238	DBEst	1269633
T99043	DBEst	748780

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA449336	DBEst	2163185
AA884709	DBEst	2994690
AA406197	DBEst	2064305
AA397920	DBEst	2051261
AA884897	DBEst	2994878
AA398193	DBEst	2051302
AA708816	DBEst	2718734
AA406320	DBEst	2064321
AA418988	DBEst	2080807
H14569	DBEst	879389
AA406266	DBEst	2064312
AA398016	DBEst	2051340
AA449105	DBEst	2163125
AA706974	DBEst	2716892
AA398245	DBEst	2051354
AA426584	DBEst	2106840
AA706987	DBEst	2716905
AA424887	DBEst	2106992
H14988	DBEst	879808
R59601	DBEst	830296
AA844930	DBEst	2931381
AA424883	DBEst	2106988
AA449474	DBEst	2163224
AA411220	DBEst	2068761
AA845015	DBEst	2931466
AA424905	DBEst	2107010
AA449481	DBEst	2163231
AA948058	DBEst	3109311
AA701860	DBEst	2704973
AA424501	DBEst	2103462
AA398331	DBEst	2051484
AA088274	DBEst	1633795
N49958	DBEst	1191124
N64044	DBEst	1211873
N49969	DBEst	1191135
AA132867	DBEst	1694418
AA487846	DBEst	2215277
AA446650	DBEst	2159315
W95646	DBEst	1425555
AA191512	DBEst	1780237
N50556	DBEst	1191722
N50638	DBEst	1191804
W73022	DBEst	1383175
N63497	DBEst	1211326
W95876	DBEst	1425783
N63500	DBEst	1211329
W96022	DBEst	1426114
N50702	DBEst	1191868
W73597	DBEst	1383731
AA167270	DBEst	1745707
AA428659	DBEst	2112807
AA171735	DBEst	1750793
AA426031	DBEst	2106564
T98355	DBEst	748092
AA443846	DBEst	2156521

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA459894	DBEst	2183340
AA428240	DBEst	2111859
AA167120	DBEst	1745549
AA458674	DBEst	2183581
H90407	DBEst	1080837
N27637	DBEst	1142118
AA459403	DBEst	2184310
AA007313	DBEst	1463387
N38992	DBEst	1162199
AA459649	DBEst	2184556
AA169173	DBEst	1747749
R06754	DBEst	757374
AA169180	DBEst	1747756
AA187977	DBEst	1774424
R08053	DBEst	759976
AA459705	DBEst	2184612
AA446456	DBEst	2159121
R11636	DBEst	764371
AA459851	DBEst	2184758
AA169190	DBEst	1747766
AA432127	DBEst	2114515
AA459862	DBEst	2184769
AA010208	DBEst	1471235
W72792	DBEst	1382827
R93409	DBEst	967575
AA219230	DBEst	1833304
AA011062	DBEst	1472090
AA448685	DBEst	2162355
N30557	DBEst	1149077
AA195668	DBEst	1785346
AA621236	DBEst	2525175
AA448173	DBEst	2161843
AA406583	DBEst	2064576
R05458	DBEst	756078
AA454654	DBEst	2177430
AA411682	DBEst	2069345
AA621311	DBEst	2525250
N32556	DBEst	1152955
N52938	DBEst	1194104
R96522	DBEst	982182
AA426408	DBEst	2106663
AA195017	DBEst	1784719
AA454616	DBEst	2177392
AA195041	DBEst	1784753
N53370	DBEst	1194536
N26546	DBEst	1140894
N34288	DBEst	1155430
AA195080	DBEst	1784770
AA411225	DBEst	2068766
AA195255	DBEst	1784955
N54274	DBEst	1195440
AA447661	DBEst	2161331
W72310	DBEst	1382933
AA449943	DBEst	2163693
AA418740	DBEst	2080541
R45114	DBEst	823468

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA455882	DBEst	2178658
AA459950	DBEst	2184834
AA418825	DBEst	2080626
AA459980	DBEst	2184864
AA772816	DBEst	2825658
R45116	DBEst	823470
AA417921	DBEst	2079740
AA775957	DBEst	2835291
AA447729	DBEst	2161399
R45157	DBEst	823511
AA775616	DBEst	2834950
AA455976	DBEst	2178752
R45160	DBEst	823514
AA777187	DBEst	2836518
AA460422	DBEst	2185168
AA447743	DBEst	2161413
AA455896	DBEst	2178672
AA460234	DBEst	2185050
AA706301	DBEst	2716219
AA709143	DBEst	2719061
AA447746	DBEst	2161416
AA620379	DBEst	2524318
AA609348	DBEst	2457776
AA463490	DBEst	2188374
T92418	DBEst	724331
W31683	DBEst	1312695
AA167550	DBEst	1745943
AA151852	DBEst	1720601
AA463249	DBEst	2188133
AA488646	DBEst	2216077
AA496996	DBEst	2230317
W95414	DBEst	1425329
T92558	DBEst	724471
AA482230	DBEst	2209908
N39092	DBEst	1162299
W32470	DBEst	1313529
AA447476	DBEst	2161146
N39237	DBEst	1162444
AA620597	DBEst	2524536
N64145	DBEst	1211974
W37694	DBEst	1319437
N24115	DBEst	1138265
W37833	DBEst	1319447
AA460708	DBEst	2185828
AA047704	DBEst	1527374
T97921	DBEst	747266
AA421171	DBEst	2100126
R09166	DBEst	761089
AA485714	DBEst	2214933
AA046306	DBEst	1526199
R01101	DBEst	750837
AA485969	DBEst	2215120
AA053682	DBEst	1544609
AA598983	DBEst	2432023
T91098	DBEst	723011
N25745	DBEst	1140093

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
T91225	DBEst	723138
AA412403	DBEst	2070991
AA486081	DBEst	2216297
AA469922	DBEst	2197231
AA129866	DBEst	1689487
AA412435	DBEst	2071005
AA486567	DBEst	2216731
AA401482	DBEst	2053888
AA115466	DBEst	1670194
AA486571	DBEst	2216735
AA486858	DBEst	2217022
AA055491	DBEst	1547830
R00130	DBEst	749866
W15319	DBEst	1289769
AA479976	DBEst	2208127
R98628	DBEst	985229
AA609310	DBEst	2457738
W23441	DBEst	1300412
H68097	DBEst	1026837
R08178	DBEst	760101
AA488324	DBEst	2215755
R45579	DBEst	823793
N54925	DBEst	1196245
AA621761	DBEst	2524189
N30713	DBEst	1149233
N25338	DBEst	1139488
N32626	DBEst	1153025
AA456077	DBEst	2178853
R42056	DBEst	819607
AA620287	DBEst	2524226
N69327	DBEst	1225488
AA620343	DBEst	2524282
AA490461	DBEst	2219634
R21741	DBEst	776522
H73591	DBEst	1046650
R51354	DBEst	813256
H11519	DBEst	876339
R62444	DBEst	834323
W67368	DBEst	1376449
N36873	DBEst	1158015
W69913	DBEst	1379381
AA620670	DBEst	2524609
AA449321	DBEst	2163170
R26390	DBEst	782525
N48050	DBEst	1189216
AA400457	DBEst	2054593
R15891	DBEst	768306
AA451751	DBEst	2165420
AA424517	DBEst	2103478
AA398327	DBEst	2051480
AA845167	DBEst	2931618
AA449791	DBEst	2163541
AA424509	DBEst	2103470
R61700	DBEst	832395
AA448660	DBEst	2162330
H14830	DBEst	879650

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA894557	DBEst	3030958
AA424534	DBEst	2103504
AA398262	DBEst	2051371
AA857131	DBEst	2945433
R61187	DBEst	831882
AA448663	DBEst	2162333
AA199666	DBEst	1795373
AA424544	DBEst	2103514
AA205838	DBEst	1801371
AA448827	DBEst	2162497
AA424568	DBEst	2103538
AA857716	DBEst	2946018
AA205389	DBEst	1803380
R59977	DBEst	830672
AA443722	DBEst	2156397
N63543	DBEst	1211372
AA001879	DBEst	1445264
W74216	DBEst	1384396
AA609403	DBEst	2457831
AA598947	DBEst	2432619
N63564	DBEst	1211393
AA001917	DBEst	1445372
AA188416	DBEst	1775641
AA001952	DBEst	1445387
AA621202	DBEst	2525141
AA151697	DBEst	1720269
AA001924	DBEst	1445399
AA114250	DBEst	1668161
N51107	DBEst	1192273
W74618	DBEst	1384831
N51120	DBEst	1192286
N64198	DBEst	1212027
AA446661	DBEst	2159326
N64247	DBEst	1212076
AA004651	DBEst	1448188
AA487054	DBEst	2217218
H81543	DBEst	1114633
AA487274	DBEst	2217438
AA004806	DBEst	1448303
N51335	DBEst	1192501
W80404	DBEst	1391421
AA448390	DBEst	2162060
N64389	DBEst	1212218
AA005358	DBEst	1448391
AA171784	DBEst	1750842
H99768	DBEst	1124436
N91114	DBEst	1444441
AA143467	DBEst	1712855
AA416740	DBEst	2077754
AA599064	DBEst	2432689
AA171426	DBEst	1750753
AA481788	DBEst	2211340
AA056534	DBEst	1548874
N78895	DBEst	1241596
AA461499	DBEst	2185363
H60581	DBEst	1013413

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA027049	DBEst	1493239
AA132065	DBEst	1693600
H71883	DBEst	1043699
AA447574	DBEst	2161244
AA126673	DBEst	1687802
AA188661	DBEst	1775686
H72322	DBEst	1044138
AA621291	DBEst	2525230
R93984	DBEst	969379
N62271	DBEst	1210100
H77927	DBEst	1056016
AA487236	DBEst	2217400
N62712	DBEst	1210541
AA148862	DBEst	1719158
AA460846	DBEst	2185966
AA490109	DBEst	2220984
AA176249	DBEst	1757380
AA431778	DBEst	2115486
T94611	DBEst	728099
AA457517	DBEst	2180237
AA463200	DBEst	2188084
AA489463	DBEst	2219065
N34500	DBEst	1155642
AA459652	DBEst	2184559
N54321	DBEst	1195641
AA460646	DBEst	2185766
AA479952	DBEst	2208103
N34892	DBEst	1156034
AA478481	DBEst	2207115
AA195420	DBEst	1785113
N54387	DBEst	1195707
N35038	DBEst	1156180
R60711	DBEst	831406
AA458993	DBEst	2183900
AA410345	DBEst	2069513
AA478606	DBEst	2207240
N35603	DBEst	1156745
AA194009	DBEst	1783721
N55171	DBEst	1198050
AA488340	DBEst	2215771
N55361	DBEst	1198240
AA399245	DBEst	2052980
AA406599	DBEst	2064609
N56906	DBEst	1200796
AA456318	DBEst	2179528
AA406546	DBEst	2064660
N36989	DBEst	1158131
R59068	DBEst	829763
AA419608	DBEst	2079362
AA194189	DBEst	1783943
W45275	DBEst	1329588
R51818	DBEst	813720
AA410381	DBEst	2069484
N39577	DBEst	1162784
H98987	DBEst	1123655
W94289	DBEst	1423410



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA399269	DBEst	2053004
AA410382	DBEst	2069485
N27098	DBEst	1141446
N57865	DBEst	1201755
AA431748	DBEst	2115456
AA410338	DBEst	2069506
N34870	DBEst	1156012
AA256462	DBEst	1892000
AA460225	DBEst	2185041
AA447753	DBEst	2161423
AA489653	DBEst	2219255
AA778098	DBEst	2837499
AA455350	DBEst	2178126
AA460239	DBEst	2185055
AA424813	DBEst	2106918
AA458870	DBEst	2183777
R45404	DBEst	823672
AA456147	DBEst	2179357
AA424831	DBEst	2106954
AA461456	DBEst	2185320
W80739	DBEst	1391757
AA425006	DBEst	2107075
AA599311	DBEst	2432936
R45550	DBEst	823764
AA857163	DBEst	2945465
T78909	DBEst	697418
AA460260	DBEst	2185076
T95053	DBEst	733677
AA453769	DBEst	2167438
AA495809	DBEst	2229130
R45627	DBEst	823839
AA456039	DBEst	2178815
R45636	DBEst	823848
AA460463	DBEst	2185209
AA495904	DBEst	2229225
R89082	DBEst	953909
AA453796	DBEst	2167465
AA456036	DBEst	2178812
AA461450	DBEst	2185314
AA863383	DBEst	2955862
H70775	DBEst	1042591
R45367	DBEst	822223
AA863469	DBEst	2955948
W86822	DBEst	1400621
AA495981	DBEst	2229302
H79534	DBEst	1057623
N22897	DBEst	1137047
AA045596	DBEst	1525341
W37733	DBEst	1319327
AA460825	DBEst	2185945
N22323	DBEst	1128457
N68970	DBEst	1225131
N69020	DBEst	1225181
AA190825	DBEst	1779210
AA400292	DBEst	2054172
AA496993	DBEst	2230314

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W45025	DBEst	1329106
AA460833	DBEst	2185953
N23708	DBEst	1137858
AA426022	DBEst	2106546
W45330	DBEst	1329422
AA044565	DBEst	1522890
N89735	DBEst	1443062
AA047462	DBEst	1525527
T96985	DBEst	735609
AA416767	DBEst	2077721
N89783	DBEst	1443110
AA164836	DBEst	1741059
AA486288	DBEst	2216504
N25049	DBEst	1139199
AA598996	DBEst	2432036
N68001	DBEst	1224162
AA131240	DBEst	1692767
AA055807	DBEst	1548145
AA421280	DBEst	2100105
R33363	DBEst	789221
AA416585	DBEst	2077519
AA129758	DBEst	1690168
AA147044	DBEst	1716451
AA598877	DBEst	2432549
AA487505	DBEst	2217669
AA406220	DBEst	2064201
AA156433	DBEst	1728058
AA133590	DBEst	1690603
N47524	DBEst	1188690
R97744	DBEst	983404
AA133936	DBEst	1691003
AA412419	DBEst	2071122
AA429887	DBEst	2113059
AA609334	DBEst	2457762
AA088226	DBEst	1633773
AA401370	DBEst	2053578
AA609368	DBEst	2457796
AA166743	DBEst	1745216
H65773	DBEst	1024513
W72098	DBEst	1382683
AA598615	DBEst	2432198
AA459945	DBEst	2184829
N50675	DBEst	1191841
W81117	DBEst	1391616
R65998	DBEst	838636
AA620736	DBEst	2524675
N58488	DBEst	1202378
R60152	DBEst	830847
AA156235	DBEst	1727853
R42187	DBEst	820578
H91680	DBEst	1087258
AA620746	DBEst	2524685
AA398129	DBEst	2051238
R78565	DBEst	854846
N62608	DBEst	1210437
N64374	DBEst	1212203

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<u>ACC NBR</u>	<u>DATABASE</u>	<u>GI NBR</u>
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R91401	DBEst	958941
N71920	DBEst	1228632
AA418395	DBEst	2080204
N74075	DBEst	1231360
R61311	DBEst	832006
W93407	DBEst	1422549
W86875	DBEst	1400604
AA436460	DBEst	2141374
R97240	DBEst	982900
N95007	DBEst	1267289
W52248	DBEst	1349495
R97970	DBEst	983630
N95041	DBEst	1267400
R62461	DBEst	834340
AA495938	DBEst	2229259
AA478442	DBEst	2207076
AA205320	DBEst	1803310
AA705225	DBEst	2715143
AA424574	DBEst	2103544
R59992	DBEst	830687
AA937895	DBEst	3096006
AA495918	DBEst	2229239
AA205072	DBEst	1803326
AA424579	DBEst	2103549
R60949	DBEst	831644
AA451844	DBEst	2165513
R60981	DBEst	831676
R61780	DBEst	832475
AA495950	DBEst	2229271
AA045508	DBEst	1523744
AA398406	DBEst	2051515
AA495952	DBEst	2229273
AA451851	DBEst	2165520
AA206914	DBEst	1802491
AA398321	DBEst	2051430
AA916413	DBEst	3055805
AA206865	DBEst	1802235
AA682321	DBEst	2669638
AA418403	DBEst	2080212
R61871	DBEst	832566
AA084323	DBEst	1626564
AA035450	DBEst	1507136
AA418392	DBEst	2080201
R61877	DBEst	832572
AA495991	DBEst	2229312
AA451859	DBEst	2165528
AA043280	DBEst	1521203
AA098896	DBEst	1645062
AA418408	DBEst	2080217
AA425107	DBEst	2107177
AA598538	DBEst	2432121
AA446655	DBEst	2159320
AA190843	DBEst	1779416
W81668	DBEst	1392375
N41013	DBEst	1164611

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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N51709	DBEst	1192875
W79445	DBEst	1390696
AA046650	DBEst	1524566
AA461078	DBEst	2186198
AA010360	DBEst	1471396
N51972	DBEst	1193138
W79499	DBEst	1390759
N64529	DBEst	1212358
AA010383	DBEst	1471419
N52039	DBEst	1193205
N64603	DBEst	1212432
N52043	DBEst	1193209
W79525	DBEst	1390785
H85434	DBEst	1064456
AA164494	DBEst	1740652
AA191573	DBEst	1780272
W80611	DBEst	1391698
AA121366	DBEst	1679164
N52780	DBEst	1193946
AA188619	DBEst	1775662
AA463500	DBEst	2188384
AA609460	DBEst	2457888
N49717	DBEst	1190883
AA433916	DBEst	2138830
AA056375	DBEst	1548715
AA443695	DBEst	2156370
N67891	DBEst	1220016
AA039713	DBEst	1515992
W48685	DBEst	1336854
AA046705	DBEst	1524602
AA179392	DBEst	1760761
AA432061	DBEst	2115769
AA609415	DBEst	2457843
AA486084	DBEst	2216300
T92561	DBEst	724474
AA115304	DBEst	1670501
AA405815	DBEst	2063798
AA609246	DBEst	2457674
T95320	DBEst	733944
H99035	DBEst	1123703
T90546	DBEst	719059
AA620607	DBEst	2524546
AA435985	DBEst	2140899
AA447504	DBEst	2161174
N70791	DBEst	1227371
AA621076	DBEst	2525015
W85900	DBEst	1398329
AA620697	DBEst	2524636
AA437124	DBEst	2142038
AA460977	DBEst	2186097
AA443936	DBEst	2156611
AA437133	DBEst	2142047
N57954	DBEst	1201844
AA479109	DBEst	2207665
AA621381	DBEst	2525320

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N52883	DBEst	1194049
AA193603	DBEst	1783004
N58276	DBEst	1202166
AA608769	DBEst	2457197
H14604	DBEst	879424
AA418293	DBEst	2080103
AA478951	DBEst	2207585
AA236986	DBEst	1861014
N59432	DBEst	1203322
AA479967	DBEst	2208118
N68578	DBEst	1224739
AA608832	DBEst	2457260
AA233643	DBEst	1856636
N45115	DBEst	1186281
W52353	DBEst	1349505
AA398015	DBEst	2051339
AA449837	DBEst	2163587
AA479972	DBEst	2208123
N45201	DBEst	1186367
AA608863	DBEst	2457291
W80375	DBEst	1391532
AA255551	DBEst	1892310
N63062	DBEst	1210891
AA608883	DBEst	2457311
AA447724	DBEst	2161394
AA866113	DBEst	2958389
AA456057	DBEst	2178833
AA460543	DBEst	2185663
H54393	DBEst	994540
AA679414	DBEst	2659936
AA461485	DBEst	2185349
AA425058	DBEst	2107191
H72098	DBEst	1043914
R45964	DBEst	823208
AA865464	DBEst	2957740
R38505	DBEst	795961
AA447777	DBEst	2161447
AA872001	DBEst	2968039
AA700631	DBEst	2703594
AA425116	DBEst	2107186
AA425630	DBEst	2107233
N54053	DBEst	1195219
R45987	DBEst	823229
AA700832	DBEst	2703997
R67376	DBEst	840014
AA873885	DBEst	2968021
R46003	DBEst	823242
AA872704	DBEst	2968144
AA700736	DBEst	2703901
AA873762	DBEst	2968148
AA455071	DBEst	2177847
R15885	DBEst	768300
H12320	DBEst	877140
R62460	DBEst	834339
AA455078	DBEst	2177854
R15880	DBEst	768295

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA497044	DBEst	2230365
AA873060	DBEst	2969182
AA702973	DBEst	2706086
AA455092	DBEst	2177868
H51117	DBEst	990958
AA703449	DBEst	2713367
AA167382	DBEst	1745759
N25085	DBEst	1139235
AA152351	DBEst	1719263
N90208	DBEst	1443535
N45313	DBEst	1186479
AA187933	DBEst	1774125
N90403	DBEst	1443730
AA165400	DBEst	1741433
AA437224	DBEst	2142138
AA488176	DBEst	2215607
N48794	DBEst	1189960
AA455275	DBEst	2178051
AA446651	DBEst	2159316
W49670	DBEst	1337925
W37418	DBEst	1319012
AA173189	DBEst	1754404
W56296	DBEst	1358185
N26908	DBEst	1141256
AA598639	DBEst	2432222
W56793	DBEst	1358658
AA486276	DBEst	2216492
H67902	DBEst	1026642
AA620546	DBEst	2524485
AA486277	DBEst	2216493
AA131700	DBEst	1693190
AA191404	DBEst	1780065
AA401311	DBEst	2053616
AA488351	DBEst	2215782
AA417025	DBEst	2077124
AA007587	DBEst	1463573
AA620418	DBEst	2524357
AA025055	DBEst	1489960
AA621200	DBEst	2525139
AA132660	DBEst	1694211
H82812	DBEst	1061482
AA181898	DBEst	1765375
AA621310	DBEst	2525249
AA134595	DBEst	1695475
R63714	DBEst	835593
AA621313	DBEst	2525252
R96198	DBEst	981858
AA401436	DBEst	2053644
T97599	DBEst	746944
AA417211	DBEst	2077337
R92199	DBEst	959739
W93544	DBEst	1422665
H78411	DBEst	1056500
R09729	DBEst	761652
AA400101	DBEst	2054179

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA136540	DBEst	1697814
AA190993	DBEst	1779620
T64896	DBEst	673941
AA490243	DBEst	2219425
W42450	DBEst	1326931
H68380	DBEst	1027120
AA461443	DBEst	2185307
W49559	DBEst	1337816
R42218	DBEst	817086
AA129931	DBEst	1689507
W88623	DBEst	1404173
AA620821	DBEst	2524760
H63241	DBEst	1018042
W90735	DBEst	1406681
AA620828	DBEst	2524767
AA449438	DBEst	2162829
H04789	DBEst	868341
W93396	DBEst	1422677
H66122	DBEst	1024862
W95595	DBEst	1425571
R41600	DBEst	816897
T98663	DBEst	748400
AA620927	DBEst	2524866
AA460542	DBEst	2185662
R61821	DBEst	832516
AA620950	DBEst	2524889
R16259	DBEst	768507
N51632	DBEst	1192798
W95626	DBEst	1425535
AA059347	DBEst	1553294
N74178	DBEst	1231463
W99317	DBEst	1435211
AA620973	DBEst	2524912
H77641	DBEst	1055730
AA160339	DBEst	1734918
AA398289	DBEst	2051398
R45632	DBEst	823844
AA002258	DBEst	1445173
AA621004	DBEst	2524943
H81938	DBEst	1060027
AA164706	DBEst	1741079
AA007364	DBEst	1463368
AA621025	DBEst	2524964
H82212	DBEst	1060301
AA171715	DBEst	1750961
AA598549	DBEst	2432132
AA398307	DBEst	2051443
R60020	DBEst	830715
AA418418	DBEst	2080237
AA398335	DBEst	2051444
AA936757	DBEst	3094791
AA418419	DBEst	2080238
AA398348	DBEst	2051457
R60032	DBEst	830727
AA936768	DBEst	3094802
AA452122	DBEst	2165791

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA598595	DBEst	2432178
AA598597	DBEst	2432180
AA857343	DBEst	2945645
AA418523	DBEst	2080332
AA418544	DBEst	2080344
AA598625	DBEst	2432208
AA856739	DBEst	2945041
AA425543	DBEst	2107455
AA598626	DBEst	2432209
AA425164	DBEst	2107475
AA452257	DBEst	2165926
AA598675	DBEst	2432258
AA443950	DBEst	2156625
AA398430	DBEst	2051539
R61374	DBEst	832069
AA424734	DBEst	2107468
AA478470	DBEst	2207104
AA496930	DBEst	2230251
N52799	DBEst	1193965
W81649	DBEst	1392179
N67894	DBEst	1220019
N64791	DBEst	1212620
N52802	DBEst	1193968
H87175	DBEst	1068754
N64814	DBEst	1212643
AA010872	DBEst	1471918
N52857	DBEst	1194023
H88321	DBEst	1114520
H88326	DBEst	1114524
AA011510	DBEst	1472556
W84815	DBEst	1396014
N66152	DBEst	1218277
AA011570	DBEst	1472596
AA485688	DBEst	2214907
N66169	DBEst	1218294
AA460961	DBEst	2186081
AA435977	DBEst	2140891
AA443853	DBEst	2156528
H88362	DBEst	1069941
N66335	DBEst	1218460
AA469966	DBEst	2197275
N59170	DBEst	1203060
H88908	DBEst	1071168
N66380	DBEst	1218505
AA412286	DBEst	2070857
N59178	DBEst	1203068
H88953	DBEst	1071213
AA022466	DBEst	1486565
N59194	DBEst	1203084
N66472	DBEst	1218597
AA022541	DBEst	1486640
AA486067	DBEst	2216283
AA437213	DBEst	2142127
AA055768	DBEst	1548168
AA127234	DBEst	1687837
AA458558	DBEst	2183465



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA088231	DBEst	1633778
AA486273	DBEst	2216489
R06712	DBEst	757332
W15351	DBEst	1289731
AA188789	DBEst	1775816
AA044906	DBEst	1523110
AA486538	DBEst	2216702
W85836	DBEst	1398285
W81366	DBEst	1392608
AA427737	DBEst	2111578
AA608869	DBEst	2457297
N63777	DBEst	1211606
AA460963	DBEst	2186083
AA608870	DBEst	2457298
AA443948	DBEst	2156623
AA443140	DBEst	2155815
AA137096	DBEst	1698332
AA488676	DBEst	2216107
AA004810	DBEst	1448307
AA496884	DBEst	2230205
AA151621	DBEst	1720194
AA608902	DBEst	2457330
AA446032	DBEst	2158697
AA620309	DBEst	2524248
W93638	DBEst	1422779
AA446190	DBEst	2158855
R01083	DBEst	750819
AA608964	DBEst	2457392
AA446231	DBEst	2158896
R23270	DBEst	778158
H62489	DBEst	1016835
AA608977	DBEst	2457405
N45226	DBEst	1186392
AA455163	DBEst	2177939
AA255552	DBEst	1892311
AA454096	DBEst	2167765
N46353	DBEst	1187519
AA156737	DBEst	1728564
AA608907	DBEst	2457335
AA479195	DBEst	2207751
AA235116	DBEst	1859553
AA608923	DBEst	2457351
AA197344	DBEst	1791370
AA436479	DBEst	2141393
AA412295	DBEst	2070866
AA608959	DBEst	2457387
AA398118	DBEst	2051227
AA421258	DBEst	2100083
AA235330	DBEst	1859768
AA479212	DBEst	2207768
AA426054	DBEst	2106569
R16231	DBEst	768479
AA452873	DBEst	2166542
AA424513	DBEst	2103474
AA235347	DBEst	1859785
AA452542	DBEst	2166211

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA478623	DBEst	2207257
AA431734	DBEst	2115442
N63807	DBEst	1211636
R59694	DBEst	830389
AA478627	DBEst	2207261
N47313	DBEst	1188479
AA446019	DBEst	2158684
AA235370	DBEst	1859808
R54443	DBEst	816345
AA481801	DBEst	2211353
N64024	DBEst	1211853
AA609067	DBEst	2457495
AA478775	DBEst	2207409
N47431	DBEst	1188597
AA489779	DBEst	2220663
AA609088	DBEst	2457516
AA453310	DBEst	2166979
AA455094	DBEst	2177870
R40244	DBEst	821032
AA497040	DBEst	2230361
AA873056	DBEst	2969178
R85090	DBEst	943496
AA778198	DBEst	2836913
R40377	DBEst	821120
R51210	DBEst	813112
AA777637	DBEst	2837116
R15741	DBEst	768025
H25223	DBEst	894346
R40373	DBEst	821116
H44051	DBEst	920103
AA873599	DBEst	2969721
AA777406	DBEst	2836737
R40833	DBEst	821191
R51085	DBEst	812987
AA703392	DBEst	2713310
R51100	DBEst	813002
H28119	DBEst	898472
AA873604	DBEst	2969726
R16150	DBEst	768078
AA856600	DBEst	2944902
R16153	DBEst	768081
H41395	DBEst	917447
AA496968	DBEst	2230289
R49013	DBEst	817775
AA464602	DBEst	2189486
R41389	DBEst	816695
R16144	DBEst	768072
AA858026	DBEst	2946328
AA704459	DBEst	2714377
AA464603	DBEst	2189487
R41294	DBEst	816607
R16157	DBEst	768085
AA013268	DBEst	1474525
AA489626	DBEst	2219228
AA704492	DBEst	2714410
AA457681	DBEst	2180401

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N27028	DBEst	1141376
N46007	DBEst	1187173
W57759	DBEst	1364475
AA487020	DBEst	2217184
N27303	DBEst	1141651
N91461	DBEst	1444788
AA399633	DBEst	2052647
N91527	DBEst	1444854
AA421018	DBEst	2099851
AA192784	DBEst	1782198
N91566	DBEst	1444893
AA420998	DBEst	2099831
AA490010	DBEst	2220885
N91914	DBEst	1264223
W58165	DBEst	1364898
N92293	DBEst	1264602
N29638	DBEst	1148158
AA437223	DBEst	2142137
W58291	DBEst	1365003
AA457484	DBEst	2180204
N92483	DBEst	1264792
N47075	DBEst	1188241
AA609430	DBEst	2457858
AA416970	DBEst	2077069
AA032198	DBEst	1502170
AA486551	DBEst	2216715
N39308	DBEst	1162515
H55764	DBEst	1004408
N21659	DBEst	1126829
AA137041	DBEst	1698322
AA142888	DBEst	1712358
R07268	DBEst	759191
T97458	DBEst	746803
H95669	DBEst	1108811
AA400281	DBEst	2054161
AA412499	DBEst	2071069
AA150979	DBEst	1722639
N57692	DBEst	1201582
AA399949	DBEst	2053822
AA416911	DBEst	2076974
N52812	DBEst	1193978
AA064959	DBEst	1559223
AA399965	DBEst	2053829
R22024	DBEst	776805
AA446446	DBEst	2159111
R22579	DBEst	777360
AA143802	DBEst	1713207
AA131421	DBEst	1692908
H75737	DBEst	1049749
AA069696	DBEst	1577056
AA400078	DBEst	2053881
AA156234	DBEst	1727852
AA487608	DBEst	2217772
AA400080	DBEst	2053883
AA191480	DBEst	1780142
AA416782	DBEst	2077736

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA400133	DBEst	2053935
AA148929	DBEst	1718964
AA416795	DBEst	2077749
AA420992	DBEst	2099825
N73836	DBEst	1231121
AA452145	DBEst	2165814
R15740	DBEst	768024
H06290	DBEst	869842
AA418750	DBEst	2080642
AA191348	DBEst	1780010
AA011593	DBEst	1472700
R61395	DBEst	832090
H93085	DBEst	1099413
AA400154	DBEst	2054043
AA451903	DBEst	2165572
AA015663	DBEst	1476693
N28256	DBEst	1146492
AA400194	DBEst	2054065
AA400485	DBEst	2054356
T54659	DBEst	656520
AA621339	DBEst	2525278
AA233564	DBEst	1856618
AA400514	DBEst	2054403
AA453759	DBEst	2167428
AA621355	DBEst	2525294
AA411761	DBEst	2070349
T55714	DBEst	657575
AA424560	DBEst	2103530
H97385	DBEst	1118254
AA411897	DBEst	2070469
AA436163	DBEst	2141077
T56713	DBEst	658574
AA045745	DBEst	1525639
AA070435	DBEst	1577813
H97496	DBEst	1118381
AA416989	DBEst	2077070
AA460251	DBEst	2185067
R41173	DBEst	816503
AA055348	DBEst	1547686
AA453805	DBEst	2167474
AA417017	DBEst	2077098
AA621478	DBEst	2525417
AA417213	DBEst	2077339
AA417567	DBEst	2079386
AA055969	DBEst	1548326
AA621480	DBEst	2525419
AA424504	DBEst	2103465
AA417348	DBEst	2077430
R49102	DBEst	820172
R61390	DBEst	832085
AA707545	DBEst	2717463
R61504	DBEst	832199
R09503	DBEst	761426
AA598975	DBEst	2432274
AA759046	DBEst	2806909
AA418565	DBEst	2080366

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA426299	DBEst	2107779
AA478474	DBEst	2207108
AA418570	DBEst	2080371
AA478476	DBEst	2207110
AA757170	DBEst	2805033
AA398235	DBEst	2051543
N55461	DBEst	1198340
AA418596	DBEst	2080397
AA451886	DBEst	2165555
AA398440	DBEst	2051567
N59532	DBEst	1203422
AA451888	DBEst	2165557
AA417920	DBEst	2079739
R59370	DBEst	830065
N71634	DBEst	1228346
AA463256	DBEst	2188140
AA725564	DBEst	2743271
AA398482	DBEst	2051592
AA463269	DBEst	2188153
AA451898	DBEst	2165567
AA598849	DBEst	2432521
H15910	DBEst	880730
AA463272	DBEst	2188156
AA451911	DBEst	2165580
AA600341	DBEst	2433966
AA417915	DBEst	2079734
AA398757	DBEst	2051916
AA452140	DBEst	2165809
AA599574	DBEst	2433199
AA233770	DBEst	1856781
W93040	DBEst	1422211
AA022625	DBEst	1486724
W86728	DBEst	1400476
N66580	DBEst	1218705
AA022668	DBEst	1486749
AA486412	DBEst	2216576
N59287	DBEst	1203177
H89291	DBEst	1115001
AA088177	DBEst	1633698
AA428368	DBEst	2111882
H89331	DBEst	1115008
N75004	DBEst	1237582
AA024493	DBEst	1489453
W86832	DBEst	1400561
H89376	DBEst	1071636
N66985	DBEst	1219110
N59438	DBEst	1203328
H89589	DBEst	1115038
AA463230	DBEst	2188114
AA025274	DBEst	1489474
N22262	DBEst	1128396
N67578	DBEst	1219703
AA599099	DBEst	2432724
AA196210	DBEst	1791858
N59470	DBEst	1203360
H93081	DBEst	1099409

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA435990	DBEst	2140904
N71861	DBEst	1228573
N50563	DBEst	1191729
H97989	DBEst	1118874
AA027266	DBEst	1492141
R16545	DBEst	770155
AA609005	DBEst	2457433
N21079	DBEst	1126249
AA609056	DBEst	2457484
AA180163	DBEst	1761627
W92278	DBEst	1424663
N30205	DBEst	1148725
AA609106	DBEst	2457534
AA425437	DBEst	2106202
AA446859	DBEst	2159524
H97847	DBEst	1118732
R39594	DBEst	797050
W38026	DBEst	1319620
AA173888	DBEst	1754083
AA447540	DBEst	2161210
N34441	DBEst	1155583
AA609991	DBEst	2458419
AA191294	DBEst	1780000
AA179510	DBEst	1760870
AA447592	DBEst	2161262
AA158346	DBEst	1733157
AA609262	DBEst	2457690
AA425851	DBEst	2106494
N48325	DBEst	1189491
AA078927	DBEst	1617836
AA609291	DBEst	2457719
AA456968	DBEst	2179688
AA447603	DBEst	2161273
AA487121	DBEst	2217285
N48620	DBEst	1189786
AA598995	DBEst	2432035
AA609292	DBEst	2457720
N47785	DBEst	1188951
AA490120	DBEst	2220995
AA436549	DBEst	2141463
AA609122	DBEst	2457550
AA479135	DBEst	2207691
AA478794	DBEst	2207428
AA490162	DBEst	2221037
AA479148	DBEst	2207704
AA421759	DBEst	2100576
AA609135	DBEst	2457563
AA419622	DBEst	2079367
N48089	DBEst	1189255
AA421761	DBEst	2100578
N64817	DBEst	1212646
AA609138	DBEst	2457566
AA479351	DBEst	2207907
N64819	DBEst	1212648
AA453790	DBEst	2167459

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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N48816	DBEst	1189982
AA488070	DBEst	2215501
N66273	DBEst	1218398
H06273	DBEst	869825
N66296	DBEst	1218421
AA479286	DBEst	2207842
N49181	DBEst	1190347
AA487021	DBEst	2217185
AA609202	DBEst	2457630
AA489627	DBEst	2219229
AA479284	DBEst	2207840
R32440	DBEst	788283
N66346	DBEst	1218471
AA609216	DBEst	2457644
N49215	DBEst	1190381
AA418009	DBEst	2079828
N66348	DBEst	1218473
AA609218	DBEst	2457646
AA478479	DBEst	2207113
N49247	DBEst	1190413
H18963	DBEst	885203
N66399	DBEst	1218524
AA609232	DBEst	2457660
R49329	DBEst	820284
AA862435	DBEst	2954914
AA704613	DBEst	2714531
AA001219	DBEst	1437294
AA489636	DBEst	2219238
R49339	DBEst	820294
AA464606	DBEst	2189490
AA489648	DBEst	2219250
AA464617	DBEst	2189501
R16241	DBEst	768489
AA706929	DBEst	2716847
AA489661	DBEst	2219263
AA863449	DBEst	2955928
AA706935	DBEst	2716853
H52232	DBEst	992073
R49439	DBEst	820337
R42317	DBEst	825255
R39878	DBEst	797494
AA877166	DBEst	2986243
AA464615	DBEst	2189499
R42331	DBEst	825268
R39877	DBEst	797493
AA456284	DBEst	2179494
R42520	DBEst	817283
AA291494	DBEst	1939523
AA456299	DBEst	2179509
AA479693	DBEst	2205579
AA490279	DBEst	2219452
R37079	DBEst	794535
AA394130	DBEst	2047101
AA490280	DBEst	2219453
R49117	DBEst	820187

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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R42543	DBEst	817305
R40025	DBEst	820774
AA399410	DBEst	2053155
AA490456	DBEst	2219629
AA700222	DBEst	2703185
AA608636	DBEst	2457064
N29801	DBEst	1148321
AA620591	DBEst	2524530
N47089	DBEst	1188255
AA172372	DBEst	1751420
AA133896	DBEst	1689546
AA486552	DBEst	2216716
N93141	DBEst	1265450
AA158162	DBEst	1732956
N48590	DBEst	1189756
N56968	DBEst	1200858
H96647	DBEst	1110133
N47589	DBEst	1188755
W60288	DBEst	1367047
N93470	DBEst	1265779
N57475	DBEst	1201365
AA599107	DBEst	2432732
W61011	DBEst	1367770
N30696	DBEst	1149216
N93601	DBEst	1265910
N93615	DBEst	1265924
AA071514	DBEst	1578885
AA400136	DBEst	2053938
R74206	DBEst	848576
AA071340	DBEst	1578890
AA400092	DBEst	2053957
AA416692	DBEst	2077697
AA421276	DBEst	2100101
H47114	DBEst	923166
AA608679	DBEst	2457107
AA421282	DBEst	2100107
AA149579	DBEst	1720380
N74367	DBEst	1231652
AA421170	DBEst	2100125
R93515	DBEst	967681
AA420968	DBEst	2099819
N71482	DBEst	1228194
AA400412	DBEst	2054283
H99075	DBEst	1123743
AA400414	DBEst	2054285
H81554	DBEst	1059643
H81309	DBEst	1059398
AA400434	DBEst	2054305
AA421047	DBEst	2099862
N76035	DBEst	1238613
R02336	DBEst	752072
AA421271	DBEst	2100096
AA053129	DBEst	1544269
H85101	DBEst	1063844
AA150260	DBEst	1721781



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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N74924	DBEst	1237470
AA180060	DBEst	1761326
AA150401	DBEst	1721977
AA417354	DBEst	2077436
AA058314	DBEst	1551194
AA621644	DBEst	2525583
AA398135	DBEst	2051244
R42714	DBEst	819659
AA621665	DBEst	2525604
H99398	DBEst	1124066
AA452138	DBEst	2165807
R59116	DBEst	829811
R94845	DBEst	973575
AA416772	DBEst	2077726
AA621132	DBEst	2525071
H11732	DBEst	876552
AA446103	DBEst	2158768
AA416788	DBEst	2077742
H17333	DBEst	883573
R46662	DBEst	822601
R59936	DBEst	830631
AA449704	DBEst	2163454
R40480	DBEst	822860
H17516	DBEst	883756
AA126694	DBEst	1686231
T58430	DBEst	660267
R52901	DBEst	814803
AA426068	DBEst	2106556
H29207	DBEst	900117
T73294	DBEst	689969
R37165	DBEst	794621
R59621	DBEst	830316
AA191518	DBEst	1780181
AA426092	DBEst	2106581
R40780	DBEst	823031
T55558	DBEst	657419
N22230	DBEst	1128364
R51362	DBEst	813264
AA402482	DBEst	2057133
H05062	DBEst	868614
AA463444	DBEst	2188328
AA452156	DBEst	2165825
AA233774	DBEst	1856785
AA417933	DBEst	2079752
AA708886	DBEst	2718804
AA707922	DBEst	2717840
AA233790	DBEst	1856792
AA789328	DBEst	2849448
AA418000	DBEst	2079819
AA453170	DBEst	2166839
AA426216	DBEst	2107619
AA463462	DBEst	2188346
AA418004	DBEst	2079823
AA401724	DBEst	2057191
AA463463	DBEst	2188347

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA812996	DBEst	2883060
AA232200	DBEst	1855597
H05741	DBEst	869293
AA463478	DBEst	2188362
AA453433	DBEst	2167102
AA232249	DBEst	1855602
AA843718	DBEst	2933074
AA476494	DBEst	2204705
H05769	DBEst	869321
AA453437	DBEst	2167106
AA418015	DBEst	2079834
H05770	DBEst	869322
N22904	DBEst	1137054
AA463484	DBEst	2188368
AA418033	DBEst	2079844
AA476576	DBEst	2204787
AA463625	DBEst	2188509
AA232645	DBEst	1855647
AA418273	DBEst	2080092
AA476604	DBEst	2204815
N66177	DBEst	1218302
AA454080	DBEst	2167749
AA457501	DBEst	2180221
N62178	DBEst	1209991
AA489804	DBEst	2220688
AA190789	DBEst	1779174
H96630	DBEst	1110116
N68530	DBEst	1224691
W45499	DBEst	1329580
N62231	DBEst	1210060
AA421256	DBEst	2100081
AA443966	DBEst	2156641
W90588	DBEst	1406373
AA401393	DBEst	2053601
AA425373	DBEst	2106147
N62275	DBEst	1210104
W93299	DBEst	1421898
N32044	DBEst	1152443
AA029430	DBEst	1496843
W92775	DBEst	1421928
W92947	DBEst	1422099
AA029561	DBEst	1497099
H97033	DBEst	1114076
AA135870	DBEst	1696844
N48975	DBEst	1190141
N62079	DBEst	1210008
T97723	DBEst	747068
AA156022	DBEst	1727647
AA609591	DBEst	2458019
AA437126	DBEst	2142040
AA448283	DBEst	2161953
N50517	DBEst	1191683
AA460716	DBEst	2185836
AA609594	DBEst	2458022
AA088701	DBEst	1634222
N62375	DBEst	1210204

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H41160	DBEst	917212
N66393	DBEst	1218518
AA609627	DBEst	2458055
R98698	DBEst	985299
AA460702	DBEst	2185822
AA609651	DBEst	2458079
N51590	DBEst	1192756
AA454005	DBEst	2167674
N74995	DBEst	1237541
N66992	DBEst	1219117
AA609441	DBEst	2457869
AA609657	DBEst	2458085
W72043	DBEst	1382313
AA488418	DBEst	2215849
R25377	DBEst	781512
AA454177	DBEst	2167846
AA173755	DBEst	1754078
N66454	DBEst	1218579
AA609242	DBEst	2457670
AA479299	DBEst	2207855
N49267	DBEst	1190433
AA417825	DBEst	2079696
AA609245	DBEst	2457673
N66627	DBEst	1218752
N50108	DBEst	1191274
H72113	DBEst	1043929
AA609282	DBEst	2457710
N50109	DBEst	1191275
N50928	DBEst	1192094
AA460530	DBEst	2185650
AA609289	DBEst	2457717
AA233892	DBEst	1856922
N50138	DBEst	1191304
AA436384	DBEst	2141298
N66900	DBEst	1219025
N63172	DBEst	1211001
AA454639	DBEst	2177415
N67869	DBEst	1219994
AA609304	DBEst	2457732
AA436149	DBEst	2141063
AA449093	DBEst	2163113
AA436454	DBEst	2141368
AA609314	DBEst	2457742
AA447782	DBEst	2161452
N50787	DBEst	1191953
AA456022	DBEst	2178798
AA436547	DBEst	2141461
AA609323	DBEst	2457751
AA436162	DBEst	2141076
R45192	DBEst	823546
N68075	DBEst	1224236
AA609474	DBEst	2457902
AA436164	DBEst	2141078
AA191424	DBEst	1780103
AA426561	DBEst	2106816
AA436455	DBEst	2141369

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA609483	DBEst	2457911
AA455913	DBEst	2178689
AA436178	DBEst	2141092
AA456323	DBEst	2179533
AA490463	DBEst	2219636
R49126	DBEst	820195
AA865265	DBEst	2957541
AA775899	DBEst	2835233
AA456324	DBEst	2179534
AA426212	DBEst	2107615
R49124	DBEst	820193
AA677076	DBEst	2657598
AA456316	DBEst	2179526
R40129	DBEst	820825
AA410636	DBEst	2069741
AA873089	DBEst	2969211
AA677254	DBEst	2657776
AA496452	DBEst	2229773
AA490474	DBEst	2219647
R50753	DBEst	812655
AA677257	DBEst	2657779
AA443193	DBEst	2155868
R41227	DBEst	816553
R51236	DBEst	813138
AA425821	DBEst	2107641
R50761	DBEst	812663
AA863149	DBEst	2955628
R41408	DBEst	816713
AA459400	DBEst	2184307
AA455935	DBEst	2178711
AA485429	DBEst	2214648
AA490494	DBEst	2219667
AA455938	DBEst	2178714
R41691	DBEst	816984
AA490502	DBEst	2219675
N25621	DBEst	1139969
AA490497	DBEst	2219670
R49708	DBEst	820434
AA873159	DBEst	2969281
AA071089	DBEst	1578449
N26769	DBEst	1141117
AA490210	DBEst	2219392
AA029283	DBEst	1496687
H58175	DBEst	1011007
AA262719	DBEst	1898131
N55357	DBEst	1198236
AA040879	DBEst	1517175
N57632	DBEst	1201522
H40880	DBEst	916932
AA040703	DBEst	1517193
AA283949	DBEst	1928247
R73487	DBEst	847519
H57831	DBEst	1010663
N59078	DBEst	1202968
AA281784	DBEst	1924464
N58073	DBEst	1201963

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R74321	DBEst	848691
AA284634	DBEst	1927750
AA043436	DBEst	1521292
H57782	DBEst	1010614
H44866	DBEst	920918
H60397	DBEst	1013229
AA282936	DBEst	1925850
N58010	DBEst	1201900
H42983	DBEst	919035
AA098867	DBEst	1645051
H43004	DBEst	919056
AA757455	DBEst	2805318
AA788641	DBEst	2848761
AA699972	DBEst	2702935
AA707814	DBEst	2717732
N49389	DBEst	1190555
W80730	DBEst	1391748
AA757671	DBEst	2805534
N36233	DBEst	1157375
AA707819	DBEst	2717737
N49616	DBEst	1190782
AA708054	DBEst	2717972
AA788648	DBEst	2848768
AA707871	DBEst	2717789
W84754	DBEst	1395873
W84786	DBEst	1395906
AA706315	DBEst	2716233
AA757414	DBEst	2805277
AA706339	DBEst	2716257
N36927	DBEst	1158069
AA699951	DBEst	2702914
H52247	DBEst	992088
N71714	DBEst	1228426
W85784	DBEst	1398283
AA703553	DBEst	2713471
AA757688	DBEst	2805551
N71758	DBEst	1228470
AA700767	DBEst	2703932
H53634	DBEst	993781
AA703582	DBEst	2713500
AA780997	DBEst	2840328
AA700770	DBEst	2703935
W85878	DBEst	1398307
AA700772	DBEst	2703937
W86202	DBEst	1398642
AA682838	DBEst	2669521
AA491249	DBEst	2220422
AA287107	DBEst	1934114
AA490828	DBEst	2220001
AA465385	DBEst	2191552
AA490235	DBEst	2219417
AA496253	DBEst	2229574
AA292659	DBEst	1940715
AA134862	DBEst	1695363
AA490904	DBEst	2220077
AA292721	DBEst	1940734

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA465224	DBEst	2191391
AA127217	DBEst	1687682
AA488976	DBEst	2218578
AA287122	DBEst	1934147
AA683581	DBEst	2670179
AA258057	DBEst	1894489
AA778276	DBEst	2837607
AA488865	DBEst	2218467
AA778286	DBEst	2837617
AA459001	DBEst	2183908
AA488875	DBEst	2218477
AA708440	DBEst	2718358
R26681	DBEst	782816
H40536	DBEst	916588
H13279	DBEst	878099
AA464557	DBEst	2189441
AA017706	DBEst	1479895
H47614	DBEst	923666
H85528	DBEst	1064567
R60343	DBEst	831038
R25652	DBEst	781787
AA016300	DBEst	1477358
R82474	DBEst	861865
H83310	DBEst	1061980
AA017468	DBEst	1479633
AA441933	DBEst	2153811
R26206	DBEst	782341
AA017301	DBEst	1479647
H40323	DBEst	916375
T71316	DBEst	685837
H38572	DBEst	908071
H13428	DBEst	878248
R26859	DBEst	782994
AA017359	DBEst	1479724
H48070	DBEst	924122
H86559	DBEst	1068138
R83833	DBEst	928710
H86589	DBEst	1068168
N45141	DBEst	1186307
W96174	DBEst	1426080
H50655	DBEst	990496
R82802	DBEst	862193
H84287	DBEst	1062958
H13181	DBEst	878001
AA444053	DBEst	2156728
N47691	DBEst	1188857
N21470	DBEst	1126640
AA677240	DBEst	2657762
N21514	DBEst	1126684
AA677337	DBEst	2657859
AA427415	DBEst	2111302
AA707400	DBEst	2717318
AA677329	DBEst	2657851
N63996	DBEst	1211825
AA677309	DBEst	2657831
N50976	DBEst	1192142

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N26517	DBEst	1140865
N59244	DBEst	1203134
AA701668	DBEst	2704833
N59881	DBEst	1203771
AA677336	DBEst	2657858
AA676441	DBEst	2656963
N21688	DBEst	1126858
N22766	DBEst	1136916
AA489707	DBEst	2219309
AA210699	DBEst	1809353
R44914	DBEst	823181
AA280426	DBEst	1922056
AA520982	DBEst	2261525
R58969	DBEst	829664
AA213620	DBEst	1812257
AA521036	DBEst	2261579
AA454928	DBEst	2177704
H15116	DBEst	879936
AA454925	DBEst	2177701
AA136710	DBEst	1697920
N58392	DBEst	1202282
N59757	DBEst	1203647
AA101875	DBEst	1645278
H21892	DBEst	890587
AA099568	DBEst	1645585
H21943	DBEst	890638
N59553	DBEst	1203443
AA099554	DBEst	1645628
H58736	DBEst	1011568
H25413	DBEst	894536
H63575	DBEst	1018376
AA459013	DBEst	2183920
AA126989	DBEst	1687819
AA459106	DBEst	2184013
R85452	DBEst	943858
H59595	DBEst	1012427
H59788	DBEst	1012620
AA708446	DBEst	2718364
AA454950	DBEst	2177726
N72263	DBEst	1229367
AA293215	DBEst	1941363
N63445	DBEst	1211274
H62421	DBEst	1015253
AA682863	DBEst	2669546
N72217	DBEst	1229321
W85851	DBEst	1398588
AA682788	DBEst	2669471
W86835	DBEst	1400564
N72888	DBEst	1229992
AA293182	DBEst	1941205
N66093	DBEst	1218218
AA703646	DBEst	2713564
AA701527	DBEst	2704692
AA703652	DBEst	2713570
AA701535	DBEst	2704700
AA404666	DBEst	2058904

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N67766	DBEst	1219891
N94344	DBEst	1266653
AA701550	DBEst	2704715
N72847	DBEst	1229951
AA488885	DBEst	2218487
AA278865	DBEst	1920329
AA459012	DBEst	2183919
AA278594	DBEst	1919932
AA708508	DBEst	2718426
AA459119	DBEst	2184026
AA489199	DBEst	2218801
AA634371	DBEst	2557585
AA278780	DBEst	1920101
AA489232	DBEst	2218834
AA504139	DBEst	2240299
AA278842	DBEst	1920363
AA458926	DBEst	2183833
AA504132	DBEst	2240292
AA504202	DBEst	2240362
AA278836	DBEst	1920357
AA625788	DBEst	2538175
R27982	DBEst	784117
AA017170	DBEst	1479335
H84130	DBEst	1062801
AA670422	DBEst	2631921
R82644	DBEst	862035
R53942	DBEst	815844
R32025	DBEst	787868
W96189	DBEst	1426095
H15085	DBEst	879905
W96187	DBEst	1426093
R31413	DBEst	787256
W95948	DBEst	1425855
AA018437	DBEst	1481692
AA018338	DBEst	1481805
H04399	DBEst	867332
AA018460	DBEst	1481715
AA633997	DBEst	2557211
R32326	DBEst	788169
R89846	DBEst	954673
H00298	DBEst	863231
AA683050	DBEst	2668941
R32354	DBEst	788197
R89765	DBEst	954592
AA427570	DBEst	2111422
N47979	DBEst	1189145
N24113	DBEst	1138263
AA677016	DBEst	2657538
N51614	DBEst	1192780
N24580	DBEst	1138730
AA677037	DBEst	2657559
N23134	DBEst	1137284
N59295	DBEst	1203185
AA701877	DBEst	2704990
AA677183	DBEst	2657705
N48085	DBEst	1189251



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA701890	DBEst	2705003
AA707659	DBEst	2717577
N23174	DBEst	1137324
AA437369	DBEst	2142283
AA680389	DBEst	2656696
AA706788	DBEst	2716706
N59336	DBEst	1203226
AA701256	DBEst	2704421
AA677043	DBEst	2657565
AA437370	DBEst	2142284
AA706790	DBEst	2716708
N64681	DBEst	1212510
AA677167	DBEst	2657689
AA427767	DBEst	2111582
N25234	DBEst	1139384
N24537	DBEst	1138687
AA677200	DBEst	2657722
N51752	DBEst	1192918
N23192	DBEst	1137342
H16789	DBEst	883029
AA215414	DBEst	1815260
AA521371	DBEst	2261914
H16821	DBEst	883061
AA455261	DBEst	2178037
AA521373	DBEst	2261916
AA455253	DBEst	2178029
AA237005	DBEst	1861034
H17927	DBEst	884167
AA251143	DBEst	1886105
AA465650	DBEst	2191817
H18470	DBEst	884710
AA251137	DBEst	1886099
AA521313	DBEst	2261856
H23091	DBEst	891786
AA251152	DBEst	1886134
AA669536	DBEst	2631035
AA280288	DBEst	1922026
AA709414	DBEst	2719332
H58911	DBEst	1011743
H26271	DBEst	895394
N63744	DBEst	1211573
AA626178	DBEst	2538565
H59093	DBEst	1011925
H25897	DBEst	895020
N63781	DBEst	1211610
N68679	DBEst	1224840
H58959	DBEst	1011791
AA485214	DBEst	2214433
H49995	DBEst	989836
H42756	DBEst	918808
N69648	DBEst	1225809
AA437093	DBEst	2142007
H61595	DBEst	1014427
AA490945	DBEst	2220118
N65971	DBEst	1218096

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA490605	DBEst	2219778
AA778663	DBEst	2837994
H62529	DBEst	1016875
N65985	DBEst	1218110
H65300	DBEst	1024040
AA490894	DBEst	2220067
AA779480	DBEst	2838811
H62839	DBEst	1017185
AA490911	DBEst	2220084
AA757464	DBEst	2805327
N72855	DBEst	1229959
AA701411	DBEst	2704576
N67797	DBEst	1219922
W89107	DBEst	1403993
AA682795	DBEst	2669478
AA757505	DBEst	2805368
AA398521	DBEst	2051694
W52104	DBEst	1350008
W90543	DBEst	1406328
W51909	DBEst	1349864
AA701978	DBEst	2705091
AA293448	DBEst	1940982
W90575	DBEst	1406360
AA757903	DBEst	2805766
H95149	DBEst	1102782
W52061	DBEst	1349882
AA703219	DBEst	2706332
N48982	DBEst	1190148
W90681	DBEst	1406647
AA757909	DBEst	2805772
H93663	DBEst	1099991
AA757806	DBEst	2805669
W47106	DBEst	1331765
AA703233	DBEst	2706346
N48788	DBEst	1189954
AA704587	DBEst	2714505
AA757711	DBEst	2805574
N29624	DBEst	1148144
W46985	DBEst	1331623
AA293728	DBEst	1941511
W47000	DBEst	1331638
N48804	DBEst	1189970
AA504457	DBEst	2240617
AA279015	DBEst	1920489
AA504250	DBEst	2240410
AA626379	DBEst	2538766
AA459358	DBEst	2184265
AA626705	DBEst	2539092
AA504354	DBEst	2240514
AA480894	DBEst	2210446
AA279158	DBEst	1920624
AA625581	DBEst	2537968
AA504654	DBEst	2240814
AA279168	DBEst	1920634
AA625765	DBEst	2538152

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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N63940	DBEst	1211769
AA463446	DBEst	2188330
R32959	DBEst	788802
H01915	DBEst	864848
AA063459	DBEst	1557399
AA621138	DBEst	2525077
AA018276	DBEst	1481731
AA678971	DBEst	2659493
AA678980	DBEst	2659502
AA205403	DBEst	1803394
AA018408	DBEst	1481874
AA598548	DBEst	2432131
R31567	DBEst	787410
AA018412	DBEst	1481878
AA598559	DBEst	2432142
AA018232	DBEst	1481488
H01164	DBEst	864097
AA069519	DBEst	1576887
AA598844	DBEst	2432516
H01197	DBEst	864130
H01820	DBEst	864753
R33609	DBEst	789467
AA678975	DBEst	2659497
AA485441	DBEst	2214660
N27437	DBEst	1141918
AA458867	DBEst	2183774
AA706804	DBEst	2716722
N23282	DBEst	1137432
N25598	DBEst	1139946
AA485458	DBEst	2214677
AA701260	DBEst	2704425
N51859	DBEst	1193025
AA706818	DBEst	2716736
N62195	DBEst	1210024
N27415	DBEst	1141896
AA262727	DBEst	1898301
N26008	DBEst	1140356
N62206	DBEst	1210035
N26031	DBEst	1140379
AA286819	DBEst	1933682
AA258030	DBEst	1894480
AA678361	DBEst	2658883
N48259	DBEst	1189425
AA706964	DBEst	2716882
N64391	DBEst	1212220
AA278326	DBEst	1920265
AA630084	DBEst	2552695
AA465158	DBEst	2191325
AA280279	DBEst	1921953
AA630373	DBEst	2552984
AA630221	DBEst	2552832
AA251339	DBEst	1886302
AA281719	DBEst	1924418
AA630376	DBEst	2552987
AA278396	DBEst	1921640

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA491297	DBEst	2220470
AA251418	DBEst	1886381
AA664020	DBEst	2618011
AA251548	DBEst	1886512
AA664237	DBEst	2618228
AA490522	DBEst	2219695
AA718910	DBEst	2732009
N68504	DBEst	1224665
H38864	DBEst	908363
AA425419	DBEst	2106175
N68510	DBEst	1224671
AA775445	DBEst	2834779
H37902	DBEst	907401
H63763	DBEst	1018564
R83896	DBEst	928773
H37909	DBEst	907408
AA775447	DBEst	2834781
AA504266	DBEst	2240426
AA775872	DBEst	2835206
H64147	DBEst	1018948
AA504625	DBEst	2240785
AA775241	DBEst	2834575
H61698	DBEst	1014530
H81605	DBEst	1059694
R86847	DBEst	945484
AA504844	DBEst	2241004
AA670389	DBEst	2631888
N71051	DBEst	1227631
AA670408	DBEst	2631907
AA521411	DBEst	2261954
N69528	DBEst	1225689
AA775257	DBEst	2834591
AA520979	DBEst	2261522
AA757732	DBEst	2805595
W47327	DBEst	1331985
AA001874	DBEst	1445518
N30222	DBEst	1148742
W47364	DBEst	1332003
AA292283	DBEst	1940263
AA001709	DBEst	1445523
AA682479	DBEst	2669760
AA757918	DBEst	2805781
AA757827	DBEst	2805690
N30225	DBEst	1148745
AA001745	DBEst	1445539
AA758451	DBEst	2806314
N48988	DBEst	1190154
AA704610	DBEst	2714528
AA758454	DBEst	2806317
W48726	DBEst	1337010
AA700811	DBEst	2703976
AA421515	DBEst	2100611
W69427	DBEst	1378689
N49009	DBEst	1190175
AA676327	DBEst	2656849
W69639	DBEst	1378918

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA676340	DBEst	2656862
AA757927	DBEst	2805790
N26390	DBEst	1140738
AA777379	DBEst	2836710
N48345	DBEst	1189511
AA677716	DBEst	2658238
AA421311	DBEst	2100170
AA704486	DBEst	2714404
AA477431	DBEst	2206065
AA626237	DBEst	2538624
AA626335	DBEst	2538722
AA481069	DBEst	2210621
AA279396	DBEst	1920879
AA505122	DBEst	2241282
AA279422	DBEst	1920887
AA504780	DBEst	2240940
AA465202	DBEst	2191369
AA521345	DBEst	2261888
AA778640	DBEst	2837971
AA279628	DBEst	1921146
AA520999	DBEst	2261542
R33456	DBEst	789314
AA018618	DBEst	1481892
H02525	DBEst	865458
AA704338	DBEst	2714256
AA872341	DBEst	2968519
AA018215	DBEst	1481471
R91397	DBEst	958937
H02328	DBEst	865261
R92362	DBEst	959902
AA846573	DBEst	2932713
R33377	DBEst	789235
R93069	DBEst	965423
AA679067	DBEst	2659589
AA779417	DBEst	2838748
AA019062	DBEst	1482453
R93141	DBEst	967307
AA018556	DBEst	1481956
H02778	DBEst	865711
AA775223	DBEst	2834557
H02231	DBEst	865164
R91566	DBEst	959106
H02039	DBEst	864972
AA704332	DBEst	2714250
AA021259	DBEst	1484975
AA704377	DBEst	2714295
R91687	DBEst	959227
H02824	DBEst	865757
AA775874	DBEst	2835208
R34343	DBEst	791244
AA019335	DBEst	1482746
H80063	DBEst	1058152
AA706955	DBEst	2716873
AA701457	DBEst	2704622
AA706957	DBEst	2716875
H84915	DBEst	1064410

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA706967	DBEst	2716885
N24042	DBEst	1138192
AA279533	DBEst	1920998
N45129	DBEst	1186295
AA678147	DBEst	2658669
AA280381	DBEst	1922038
N24722	DBEst	1138872
AA701434	DBEst	2704599
N26658	DBEst	1141006
N24070	DBEst	1138220
AA701465	DBEst	2704630
H97646	DBEst	1118531
N51336	DBEst	1192502
AA701328	DBEst	2704493
N51362	DBEst	1192528
N26171	DBEst	1140519
N70193	DBEst	1226773
AA705684	DBEst	2715602
H97245	DBEst	1114288
N45282	DBEst	1186448
N24155	DBEst	1138305
AA663941	DBEst	2617932
AA490900	DBEst	2220073
AA489050	DBEst	2218652
AA490924	DBEst	2220097
AA252537	DBEst	1887500
AA488986	DBEst	2218588
AA488889	DBEst	2218491
AA488898	DBEst	2218500
AA634261	DBEst	2557475
AA243581	DBEst	1874439
AA489022	DBEst	2218624
AA197334	DBEst	1792925
AA775047	DBEst	2834381
AA489023	DBEst	2218625
AA255876	DBEst	1891417
AA775355	DBEst	2834689
H60739	DBEst	1013571
AA521015	DBEst	2261558
AA775378	DBEst	2834712
H63518	DBEst	1018319
N71461	DBEst	1228173
H84244	DBEst	1062915
R38391	DBEst	795847
AA779401	DBEst	2838732
H69786	DBEst	1039992
AA456069	DBEst	2178845
AA451900	DBEst	2165569
H85201	DBEst	1064078
N72600	DBEst	1229704
H85415	DBEst	1064437
R54060	DBEst	815962
H67678	DBEst	1026418
H85437	DBEst	1064459
H69022	DBEst	1030272
R88506	DBEst	953333

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N76084	DBEst	1238662
H81716	DBEst	1059805
H68690	DBEst	1030541
AA598982	DBEst	2432022
N76088	DBEst	1238666
H84657	DBEst	1063892
R43604	DBEst	821524
H66675	DBEst	1025415
N74907	DBEst	1237453
H69553	DBEst	1039759
H84759	DBEst	1064067
R89046	DBEst	953873
AA777400	DBEst	2836731
AA758268	DBEst	2806131
N40969	DBEst	1164567
W69775	DBEst	1379033
AA479609	DBEst	2205495
AA682573	DBEst	2669854
N25883	DBEst	1140231
N38839	DBEst	1162046
AA682671	DBEst	2669952
N38836	DBEst	1162043
W70065	DBEst	1379326
AA777488	DBEst	2836967
AA477283	DBEst	2205917
N40997	DBEst	1164595
AA678084	DBEst	2658606
AA704688	DBEst	2714606
AA682599	DBEst	2669880
N30080	DBEst	1148600
W74701	DBEst	1384924
AA777510	DBEst	2836989
AA402875	DBEst	2056629
N57557	DBEst	1201447
AA682597	DBEst	2669878
AA758271	DBEst	2806134
AA777604	DBEst	2837083
N32904	DBEst	1153303
AA774606	DBEst	2833940
AA704693	DBEst	2714611
AA707527	DBEst	2717445
AA282208	DBEst	1925124
AA481256	DBEst	2210808
AA521384	DBEst	2261927
AA427924	DBEst	2111686
AA481266	DBEst	2210818
AA628462	DBEst	2540849
AA481269	DBEst	2210821
AA521292	DBEst	2261835
AA282495	DBEst	1925410
AA481271	DBEst	2210823
AA481281	DBEst	2210833
AA401686	DBEst	2057170
AA019338	DBEst	1482749
R92812	DBEst	965166
AA704650	DBEst	2714568

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA702724	DBEst	2705837
AA019209	DBEst	1482766
R93723	DBEst	967889
H03494	DBEst	866427
AA021132	DBEst	1484858
R96235	DBEst	981895
H02837	DBEst	865770
AA021134	DBEst	1484860
AA281426	DBEst	1924152
R36598	DBEst	793499
H03262	DBEst	866195
R86764	DBEst	945740
AA054135	DBEst	1545058
AA021607	DBEst	1485268
R94495	DBEst	969890
AA021628	DBEst	1485289
AA702714	DBEst	2705827
R05505	DBEst	756125
R37511	DBEst	794967
R94542	DBEst	969937
H04230	DBEst	867163
R07196	DBEst	759119
R36150	DBEst	793051
AA021549	DBEst	1485239
R93591	DBEst	967757
AA702561	DBEst	2705674
H96554	DBEst	1110040
N24805	DBEst	1138955
AA705702	DBEst	2715620
H97701	DBEst	1118586
AA679286	DBEst	2659808
AA707219	DBEst	2717137
N33229	DBEst	1153628
N50742	DBEst	1191908
AA700758	DBEst	2703923
AA699919	DBEst	2702882
N33530	DBEst	1153929
AA700862	DBEst	2704027
N29457	DBEst	1147977
N74700	DBEst	1231985
N29455	DBEst	1147975
AA699923	DBEst	2702886
N33054	DBEst	1153453
AA465238	DBEst	2191405
AA679448	DBEst	2659970
AA700879	DBEst	2704044
AA459008	DBEst	2183915
AA259115	DBEst	1894550
AA204830	DBEst	1802846
AA668230	DBEst	2629729
AA663309	DBEst	2617300
AA283699	DBEst	1927911
AA283710	DBEst	1927922
AA206454	DBEst	1801834
AA489200	DBEst	2218802
AA196635	DBEst	1792209



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA774665	DBEst	2833999
AA489218	DBEst	2218820
AA196979	DBEst	1792570
AA670123	DBEst	2631622
AA291159	DBEst	1939146
AA205432	DBEst	1803422
H87273	DBEst	1068852
H15539	DBEst	880359
H99676	DBEst	1124344
H72878	DBEst	1044694
H87241	DBEst	1068820
H18630	DBEst	884870
H77595	DBEst	1055684
R85267	DBEst	943673
N93274	DBEst	1265583
N66933	DBEst	1219058
AA669042	DBEst	2630541
N66948	DBEst	1219073
H91845	DBEst	1087423
AA877595	DBEst	2986560
R85260	DBEst	943666
H44032	DBEst	920084
AA857496	DBEst	2945798
H73723	DBEst	1047227
R85343	DBEst	943749
AA018449	DBEst	1481704
H91861	DBEst	1087439
AA291773	DBEst	1939941
H92639	DBEst	1088217
H67883	DBEst	1026623
N74391	DBEst	1231676
H94870	DBEst	1102503
N21334	DBEst	1126504
H92504	DBEst	1088082
N56979	DBEst	1200869
H89912	DBEst	1080342
AA700989	DBEst	2704154
N29860	DBEst	1148380
AA777699	DBEst	2837178
AA704401	DBEst	2714319
N56948	DBEst	1200838
AA678176	DBEst	2658698
AA701006	DBEst	2704171
AA777717	DBEst	2837196
AA402889	DBEst	2056786
N32102	DBEst	1152501
N49196	DBEst	1190362
AA733027	DBEst	2754386
AA777910	DBEst	2837311
AA678348	DBEst	2658870
AA708248	DBEst	2718166
AA701075	DBEst	2704240
AA777915	DBEst	2837316
N51653	DBEst	1192819
AA678226	DBEst	2658748
AA701108	DBEst	2704273

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA701026	DBEst	2704191
AA777424	DBEst	2836755
AA704278	DBEst	2714196
AA774503	DBEst	2833837
AA777435	DBEst	2836766
AA704323	DBEst	2714241
N47240	DBEst	1188406
AA282983	DBEst	1925916
T59940	DBEst	661777
AA670291	DBEst	2631790
AA456821	DBEst	2179541
AA283001	DBEst	1925925
AA670296	DBEst	2631795
T59873	DBEst	661710
AA283087	DBEst	1926012
AA282965	DBEst	1925879
AA598632	DBEst	2432215
AA485080	DBEst	2214299
AA775863	DBEst	2835197
AA598796	DBEst	2432468
AA283046	DBEst	1925970
AA485216	DBEst	2214435
R09063	DBEst	760986
H04247	DBEst	867180
AA021202	DBEst	1484927
AA702623	DBEst	2705736
AA702627	DBEst	2705740
H04279	DBEst	867212
H04771	DBEst	868323
AA702304	DBEst	2705417
AA058597	DBEst	1551404
AA702104	DBEst	2705217
R37978	DBEst	795434
H83123	DBEst	1061793
R46512	DBEst	805909
AA702193	DBEst	2705306
R37986	DBEst	795442
AA021546	DBEst	1485430
R46218	DBEst	805615
R65714	DBEst	838352
R96903	DBEst	982563
AA702077	DBEst	2705190
AA700148	DBEst	2703111
N32949	DBEst	1153348
H99108	DBEst	1123776
N92783	DBEst	1265092
AA699359	DBEst	2702553
AA701475	DBEst	2704640
N53376	DBEst	1194542
N91115	DBEst	1444442
AA459255	DBEst	2184162
H99202	DBEst	1123870
AA700164	DBEst	2703127
N52162	DBEst	1193423
N62110	DBEst	1209923
N62122	DBEst	1209935

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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H99430	DBEst	1124098
N53520	DBEst	1194686
N92724	DBEst	1265033
N34466	DBEst	1155608
N91811	DBEst	1264120
AA504164	DBEst	2240324
AA284031	DBEst	1928443
AA205667	DBEst	1803659
AA504137	DBEst	2240297
AA504130	DBEst	2240290
AA283874	DBEst	1928083
AA598635	DBEst	2432218
AA285128	DBEst	1928109
AA773068	DBEst	2824639
AA504156	DBEst	2240316
AA284067	DBEst	1928348
AA284079	DBEst	1928360
AA630000	DBEst	2552611
AA284071	DBEst	1928352
AA629801	DBEst	2552412
AA504492	DBEst	2240652
N50834	DBEst	1192000
H89955	DBEst	1080385
AA029997	DBEst	1496428
N73863	DBEst	1231148
H92533	DBEst	1088111
AA936799	DBEst	3094833
H95038	DBEst	1102671
AA156802	DBEst	1728435
N74014	DBEst	1231299
R21423	DBEst	776204
H92977	DBEst	1099305
H19804	DBEst	888499
R20798	DBEst	775579
R85503	DBEst	943909
H92215	DBEst	1087793
H20128	DBEst	888823
H92216	DBEst	1087794
AA626255	DBEst	2538642
H95673	DBEst	1108815
AA670200	DBEst	2631699
R85643	DBEst	944049
H20670	DBEst	889365
R85509	DBEst	943915
N51589	DBEst	1192755
N40924	DBEst	1164522
N51629	DBEst	1192795
AA777723	DBEst	2837202
AA704443	DBEst	2714361
AA777928	DBEst	2837329
AA423800	DBEst	2102770
N47316	DBEst	1188482
AA682521	DBEst	2669802
AA704503	DBEst	2714421
AA777930	DBEst	2837331

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N51657	DBEst	1192823
AA704516	DBEst	2714434
AA708280	DBEst	2718198
AA733188	DBEst	2754547
AA777931	DBEst	2837332
AA419026	DBEst	2078841
AA780074	DBEst	2839405
N34436	DBEst	1155578
AA496455	DBEst	2229776
AA704549	DBEst	2714467
AA707853	DBEst	2717771
AA703393	DBEst	2713311
AA598486	DBEst	2432069
AA775270	DBEst	2834604
AA482028	DBEst	2209706
AA775290	DBEst	2834624
AA701168	DBEst	2704333
AA491222	DBEst	2220395
AA491212	DBEst	2220385
AA482037	DBEst	2209715
AA705118	DBEst	2715036
AA482594	DBEst	2210272
AA490608	DBEst	2219781
AA035147	DBEst	1507317
AA419407	DBEst	2079203
AA419486	DBEst	2079222
AA677640	DBEst	2658162
AA490611	DBEst	2219784
AA058578	DBEst	1551385
R96914	DBEst	982574
R63497	DBEst	835376
AA057433	DBEst	1550074
R48270	DBEst	810296
AA707904	DBEst	2717822
R63515	DBEst	835394
AA058663	DBEst	1551471
R48477	DBEst	810503
AA707920	DBEst	2717838
R16837	DBEst	770447
AA708756	DBEst	2718674
AA057425	DBEst	1550066
R65765	DBEst	838403
R10279	DBEst	762235
H54701	DBEst	995068
R54672	DBEst	819130
H54796	DBEst	995216
R54969	DBEst	819225
AA708096	DBEst	2718014
R12708	DBEst	765784
AA054443	DBEst	1545579
H54659	DBEst	995026
R71400	DBEst	844917
AA707935	DBEst	2717853
N52205	DBEst	1193339
N91821	DBEst	1264130
N52151	DBEst	1193412

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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N62311	DBEst	1210140
H99845	DBEst	1124513
AA699399	DBEst	2702593
AA701361	DBEst	2704526
N59134	DBEst	1203024
AA779153	DBEst	2838484
N91896	DBEst	1264205
AA465720	DBEst	2191242
N91897	DBEst	1264206
N79061	DBEst	1241762
AA680415	DBEst	2656722
AA779225	DBEst	2838556
N79081	DBEst	1241782
AA701900	DBEst	2705013
W37689	DBEst	1319372
N20003	DBEst	1124670
AA699719	DBEst	2702682
N93507	DBEst	1265816
AA701933	DBEst	2705046
N62403	DBEst	1210232
W37532	DBEst	1319146
AA703161	DBEst	2706274
AA465168	DBEst	2191335
AA504507	DBEst	2240667
AA287333	DBEst	1933041
AA676899	DBEst	2657421
AA287375	DBEst	1933057
AA629844	DBEst	2552455
AA504609	DBEst	2240769
AA287269	DBEst	1932992
AA677575	DBEst	2658097
AA676660	DBEst	2657182
AA287325	DBEst	1933025
AA156032	DBEst	1727657
AA676738	DBEst	2657260
AA287488	DBEst	1933356
AA676865	DBEst	2657387
AA155907	DBEst	1727525
AA505063	DBEst	2241223
AA147837	DBEst	1717209
AA676920	DBEst	2657442
AA504834	DBEst	2240994
AA677457	DBEst	2657979
AA181995	DBEst	1765496
AA287917	DBEst	1933740
AA677629	DBEst	2658151
AA465521	DBEst	2191688
R32442	DBEst	788285
AA013099	DBEst	1474135
AA015658	DBEst	1476688
AA481543	DBEst	2211095
N54302	DBEst	1195622
H21109	DBEst	889804
AA679454	DBEst	2659976
R24246	DBEst	779134

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA521339	DBEst	2261882
AA017104	DBEst	1479268
AA127014	DBEst	1687643
N53480	DBEst	1194646
AA403031	DBEst	2056768
R32457	DBEst	788300
AA455227	DBEst	2178003
R26756	DBEst	782891
N59109	DBEst	1202999
AA262080	DBEst	1898204
R27327	DBEst	783462
AA016001	DBEst	1477241
AA496582	DBEst	2229903
N47445	DBEst	1188611
AA682527	DBEst	2669808
AA780055	DBEst	2839386
AA733090	DBEst	2754449
AA780057	DBEst	2839388
N56860	DBEst	1200750
N57005	DBEst	1200895
N50907	DBEst	1192073
AA707004	DBEst	2716922
W93066	DBEst	1422238
N50684	DBEst	1191850
W92036	DBEst	1424420
AA703419	DBEst	2713337
AA682626	DBEst	2669907
AA772494	DBEst	2824277
N50843	DBEst	1192009
AA706982	DBEst	2716900
AA481437	DBEst	2210989
N50859	DBEst	1192025
AA707413	DBEst	2717331
N47682	DBEst	1188848
AA677650	DBEst	2658172
AA043945	DBEst	1521952
AA417618	DBEst	2079445
AA490614	DBEst	2219787
AA417740	DBEst	2079541
AA490959	DBEst	2220132
AA417757	DBEst	2079558
R15074	DBEst	769347
R39924	DBEst	797540
AA042812	DBEst	1522467
AA481406	DBEst	2210958
R20616	DBEst	775397
AA489664	DBEst	2219266
AA133166	DBEst	1689946
R43328	DBEst	819855
AA133204	DBEst	1689966
AA465338	DBEst	2191505
R43272	DBEst	821379
AA489696	DBEst	2219298
R10382	DBEst	762338
R71738	DBEst	845770

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA708201	DBEst	2718119
R71777	DBEst	845809
AA708001	DBEst	2717919
R10903	DBEst	763638
R65993	DBEst	838631
R70233	DBEst	843750
H29858	DBEst	900768
H56372	DBEst	1005016
H56147	DBEst	1004791
AA708348	DBEst	2718266
AA708240	DBEst	2718158
H85536	DBEst	1064575
H56453	DBEst	1005097
H85547	DBEst	1064586
H58004	DBEst	1010836
R16566	DBEst	770176
R66923	DBEst	839561
H30062	DBEst	900972
H12723	DBEst	877543
AA708327	DBEst	2718245
H13278	DBEst	878098
H57105	DBEst	1009937
AA708329	DBEst	2718247
AA776434	DBEst	2835768
N62508	DBEst	1210337
AA699715	DBEst	2702678
N35469	DBEst	1156611
AA701923	DBEst	2705036
N20328	DBEst	1125283
AA699557	DBEst	2703704
AA699562	DBEst	2703709
AA779199	DBEst	2838530
N35614	DBEst	1156756
W37780	DBEst	1319591
AA677215	DBEst	2657737
W37782	DBEst	1319593
N62617	DBEst	1210446
W37993	DBEst	1319606
AA701289	DBEst	2704454
N20407	DBEst	1125362
N21338	DBEst	1126508
AA677212	DBEst	2657734
N35825	DBEst	1156967
AA705981	DBEst	2715899
AA703171	DBEst	2706284
N22828	DBEst	1136978
N59808	DBEst	1203698
AA677077	DBEst	2657599
AA706664	DBEst	2716582
AA703189	DBEst	2706302
AA490850	DBEst	2220023
N25344	DBEst	1139494
N62716	DBEst	1210545
AA701640	DBEst	2704805
N35907	DBEst	1157049
AA491208	DBEst	2220381

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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N59816	DBEst	1203706
N21633	DBEst	1126803
N62729	DBEst	1210558
AA677085	DBEst	2657607
AA633805	DBEst	2557019
AA504845	DBEst	2241005
AA287928	DBEst	1933751
AA633818	DBEst	2557032
AA505134	DBEst	2241294
AA287949	DBEst	1933772
AA704171	DBEst	2714089
AA776942	DBEst	2836273
AA286905	DBEst	1933913
AA704908	DBEst	2714826
AA704902	DBEst	2714820
AA666316	DBEst	2620929
AA704945	DBEst	2714863
AA666312	DBEst	2620925
AA504779	DBEst	2240939
AA705219	DBEst	2715137
AA666366	DBEst	2620979
AA504783	DBEst	2240943
AA287041	DBEst	1934047
AA668575	DBEst	2630074
AA521394	DBEst	2261937
AA287067	DBEst	1934091
AA705072	DBEst	2714990
AA521416	DBEst	2261959
AA668531	DBEst	2630030
AA521327	DBEst	2261870
AA287097	DBEst	1934104
AA705237	DBEst	2715155



Table 4

#	Clone Id	Accession No.	Ave-All- Normal	2-fold-up in tumors	3-fold-up in tumors	5-fold-up in tumors	10-fold-up in tumors	Overall sum	endo sum	clear sum	serous sum
19109	824894	AA488964	5.9	36.0	36.0	35.0	32.0	9.1	9.3	10	8.9
11150	270385	N33063	8.6	37.0	37.0	36.0	28.0	8.7	8.6	9	8.7
1616	770910	AA433851	2.6	36.0	36.0	36.0	28.0	8.6	9.3	9	8.4
14080	37310	R49597	7.5	37.0	36.0	36.0	27.0	8.6	7.9	10	8.5
10622	223350	H86642	3.5	37.0	36.0	35.0	27.0	8.5	6.4	9	9.0
10559	296488	N70208	3.9	36.0	35.0	33.0	26.0	8.2	8.6	10	7.7
2450	840687	AA488073	9.8	37.0	36.0	33.0	25.0	8.1	7.6	8	8.3
1335	786675	AA451904	17.7	34.0	34.0	31.0	24.0	7.7	9.3	2.6	8.2
8658	770388	AA427468	5.7	37.0	37.0	32.0	21.0	7.6	8.0	7.6	7.4
20289	250678	H95976	5.0	37.0	36.0	31.0	20.0	7.4	6.9	6.6	7.6
7791	415562	W80701	6.8	36.0	36.0	34.0	17.0	7.1	7.1	8	6.8
14508	625011	AA181023	9.4	36.0	34.0	29.0	16.0	6.6	7.4	6.6	6.4
4003	825085	AA489246	7.2	34.0	32.0	25.0	13.0	5.8	7.6	4.6	5.6
18699	132636	R26785	4.6	35.0	32.0	24.0	13.0	5.8	6.1	7.6	5.4
2714	741497	AA401137	6.1	30.0	27.0	22.0	16.0	5.7	5.3	5	6.0
4275	741139	AA402754	4.1	31.0	26.0	19.0	16.0	5.6	6.9	0	6.3
4312	131839	R24635	5.5	30.0	28.0	21.0	15.0	5.5	3.3	4.2	6.4
14552	378461	AA775616	23.6	30.0	26.0	20.0	15.0	5.4	5.7	5.2	5.4
3713	308989	N93392	4.7	34.0	29.0	20.0	12.0	5.3	7.1	3.2	5.2
16723	813730	AA453868	13.6	34.0	30.0	20.0	10.0	5.1	4.1	3.2	5.7
10985	756931	AA425934	8.6	26.0	22.0	17.0	14.0	4.8	1.7	2.6	6.1
23290	1456776	AA863314	9.6	28.0	28.0	23.0	9.0	4.7	6.6	5.8	6.3
9183	841645	AA487488	12.4	31.0	27.0	23.0	8.0	4.7	5.0	5	4.6
4226	470393	AA031514	6.3	31.0	24.0	17.0	11.0	4.7	7.9	4.4	3.9
851	809784	AA454743	4.2	27.0	23.0	21.0	11.0	4.7	2.4	3	5.7
13279	279388	N45548	16.7	28.0	26.0	21.0	10.0	4.7	4.7	1	5.4
6359	236034	H61243	23.6	30.0	25.0	18.0	10.0	4.6	4.3	3.6	4.9
25253	112498	T91042	16.7	27.0	26.0	19.0	10.0	4.5	5.6	5.8	6.2
21910	280782	N50654	13.0	31.0	24.0	17.0	7.0	4.2	3.1	4	4.5
4228	511428	AA126009	5.4	34.0	30.0	17.0	4.0	4.1	4.4	6	3.6
6236	232860	73335::H73973	3.0	27.0	21.0	15.0	9.0	4.1	3.1	0.4	5.0
6156	322223	W38021	3.6	33.0	29.0	17.0	3.0	3.9	5.7	4.6	3.2
4966	486279	AA044205	7.8	32.0	28.0	13.0	5.0	3.9	3.7	5.2	3.6
24011	1474987	AA857364	9.5	25.0	20.0	16.0	8.0	3.8	7.0	1.0	5.4
11778	179163	H50161	7.0	25.0	20.0	16.0	8.0	3.8	1.7	1	5.0
6676	361323	AA017544	5.9	27.0	21.0	15.0	7.0	3.8	4.9	0.6	4.1
21308	454970	AA676625	4.5	25.0	22.0	16.0	7.0	3.8	5.7	1	3.8
12145	855745	AA663981	30.3	16.0	15.0	13.0	13.0	3.7	4.3	2	3.9
20559	773495	AA427924	29.2	22.0	18.0	15.0	9.0	3.7	1.4	1.4	4.8
6007	143322	R74357	5.0	29.0	21.0	14.0	6.0	3.7	2.4	5.4	3.7
5089	897822	AA598572	2.8	34.0	24.0	10.0	5.0	3.7	4.7	2.6	3.6
16071	1475659	AA872020	6.6	32.0	26.0	16.0	3.0	3.7	3.9	5.4	3.3
3220	897770	AA598508	15.4	22.0	17.0	15.0	9.0	3.7	1.1	0	5.1
4414	72391	T51689	9.0	29.0	21.0	16.0	5.0	3.7	2.9	1	4.4
17777	951108	AA620466	7.3	34.0	31.0	11.0	3.0	3.7	2.8	1.6	4.3
4282	667482	AA227594	3.1	25.0	20.0	13.0	8.0	3.7	2.7	7	3.3
17895	27544	R40057	4.6	23.0	19.0	15.0	8.0	3.6	6.9	7.2	2.0
24340	1536240	AA918982	16.5	23.0	21.0	16.0	7.0	3.6	1.8	5.0	5.5
6774	725321	AA291702	15.5	26.0	24.0	13.0	6.0	3.6	6.1	0	3.6
15113	594684	AA172001	7.6	30.0	23.0	19.0	2.0	3.5	2.9	4	3.6
14932	1434905	AA857101	5.6	25.0	18.0	14.0	7.0	3.5	5.3	3.4	3.1
2802	843028	AA488541	11.1	22.0	20.0	15.0	7.0	3.5	0.3	1.6	4.8
25752	1558655	AA976561	8.6	20.0	19.0	15.0	8.0	3.5	8.0	3.8	3.9

Table 4

11362	288663	N79360	3.0	32.0	22.0	14.0	3.0	3.5	3.9	5.6	3.0
15317	813719	AA453863	13.6	18.0	16.0	14.0	9.0	3.4	1.4	0	4.6
21272	646753	AA205625	2.9	30.0	19.0	13.0	4.0	3.4	3.6	3.6	3.3
5804	742101	AA405891	14.4	29.0	23.0	12.0	4.0	3.4	3.0	5.4	3.1
9014	809503	AA456454	8.5	24.0	19.0	11.0	7.0	3.4	2.3	3.2	3.7
3908	289337	N99582	19.0	16.0	14.0	14.0	10.0	3.4	3.9	2	3.5
5827	767069	AA424516	9.8	26.0	23.0	19.0	2.0	3.3	2.9	0.6	4.0
17522	840677	AA488070	46.2	18.0	15.0	11.0	10.0	3.3	4.0	2	3.4
10575	46173	H09099	13.8	20.0	17.0	12.0	8.0	3.3	1.4	2.4	4.0
10549	810960	AA459626	8.9	21.0	16.0	14.0	7.0	3.3	3.0	2	3.6
4938	295483	N70382	122.4	24.0	19.0	14.0	5.0	3.2	3.7	3	3.2
13348	1493160	AA878880	5.7	21.0	15.0	11.0	8.0	3.2	3.7	0.4	3.6
8280	52704	H29227	2.8	28.0	19.0	12.0	4.0	3.2	3.9	1.6	3.4
798	161456	H25546	5.3	21.0	17.0	12.0	7.0	3.2	3.9	1	3.4
12797	595238	AA173325	6.9	32.0	26.0	14.0	0.0	3.2	3.4	2	3.4
2756	243741	N49629	5.0	29.0	16.0	8.0	5.0	3.1	3.6	0.8	3.4
6770	148225	H13738	10.0	32.0	21.0	11.0	1.0	3.0	2.7	2.2	3.3
12134	724888	AA404692	4.4	25.0	21.0	10.0	4.0	3.0	1.9	1.4	3.6
12983	809998	AA454854	11.6	20.0	16.0	14.0	5.0	2.9	2.4	0.4	3.6
9025	755881	AA496539	5.3	22.0	17.0	9.0	6.0	2.9	3.0	0	3.5
26046	1636495	AA999953	3.6	22.0	17.0	11.0	5.0	2.9	3.0	5.0	3.8
3214	823590	AA497128	7.4	24.0	17.0	9.0	5.0	2.9	2.4	1	3.4
2695	204335	H59915	126.9	32.0	24.0	10.0	0.0	2.9	2.9	2.8	3.0
2424	66560	T67053	13.0	18.0	13.0	9.0	8.0	2.9	4.0	2	2.8
4996	251019	H97778	25.8	28.0	18.0	9.0	3.0	2.9	2.4	5	2.6
8871	415229	W91952	4.6	22.0	17.0	13.0	4.0	2.9	3.6	6	2.1
10954	377275	AA055485	5.0	25.0	20.0	8.0	4.0	2.9	0.9	2	3.6
5384	150702	H02340	1.5	24.0	19.0	7.0	5.0	2.9	6.3	3.2	1.8
8706	725877	AA292226	51.9	22.0	18.0	9.0	5.0	2.8	2.1	0.6	3.5
606	109523	T81545	15.7	28.0	18.0	8.0	3.0	2.8	1.9	4.2	2.8
5552	208413	H62162	2.9	26.0	18.0	9.0	3.0	2.8	2.9	3	2.7
14654	490965	AA120865	16.9	16.0	15.0	10.0	7.0	2.8	0.9	0	3.8
7061	321908	W37680	5.5	29.0	20.0	9.0	1.0	2.7	4.7	2.4	2.2
7294	324715	W47361	7.5	23.0	16.0	9.0	4.0	2.7	1.3	2	3.2
21668	452563	AA778846	4.3	27.0	18.0	9.0	2.0	2.7	2.9	3.4	2.5
20712	746169	AA417621	26.7	23.0	16.0	9.0	4.0	2.7	3.3	5	2.1
2478	39593	R51912	1.4	20.0	14.0	10.0	5.0	2.7	0.4	3.8	3.1
2516	234376	N28268	7.7	25.0	20.0	7.0	3.0	2.7	1.1	2.8	3.1
24620	725143	AA404225	11.3	19.0	16.0	10.0	5.0	2.7	3.2	6.8	2.9
6819	810801	AA459068	10.6	23.0	14.0	7.0	5.0	2.7	2.0	2.4	2.9
719	321271	W52941	3.7	32.0	23.0	6.0	0.0	2.7	2.9	4.2	2.3
925	770212	AA434115	11.0	22.0	17.0	11.0	3.0	2.6	1.4	0	3.5
20060	449034	AA777384	3.6	24.0	15.0	10.0	3.0	2.6	1.6	1.4	3.2
13336	42824	R60169	2.6	17.0	14.0	10.0	6.0	2.6	4.9	8.6	0.8
26281	855563	AA664212	7.8	24.0	15.0	7.0	4.0	2.6	2.6	4.0	3.6
10642	49987	H28734	2.2	20.0	15.0	11.0	4.0	2.6	1.4	2	3.1
2647	305606	N90246	2.9	31.0	20.0	5.0	1.0	2.6	2.7	1.2	2.9
20448	220473	H87271	4.6	23.0	18.0	9.0	3.0	2.6	3.4	0.4	2.8
19829	854691	AA630100	5.6	24.0	21.0	9.0	2.0	2.6	3.1	1.8	2.6
9753	428338	AA005420	5.7	32.0	19.0	7.0	0.0	2.6	2.0	3.6	2.6
14016	233759	H64590	6.4	29.0	17.0	6.0	2.0	2.6	1.9	4	2.6
9140	345032	W76319	28.5	23.0	16.0	10.0	3.0	2.6	2.9	4.6	2.2
11418	856447	AA630800	32.5	22.0	14.0	12.0	3.0	2.6	4.3	3.2	2.0
27510	1636606	AJ000188	4.7	20.0	13.0	9.0	5.0	2.6	2.0	1.8	4.2
9988	795446	AA454033	1.6	23.0	14.0	8.0	4.0	2.6	3.3	1	2.7
21265	845345	AA773478	14.2	20.0	17.0	12.0	3.0	2.6	4.3	2.6	2.1
4157	204688	H57273	9.9	22.0	17.0	7.0	4.0	2.6	0.4	2.6	3.2

Table 4

150	214441	H73816	3.8	15.0	12.0	9.0	7.0	2.6	2.7	2	2.6
7037	344854	W76209	7.3	26.0	17.0	8.0	2.0	2.6	2.7	2.6	2.5
4015	712341	AA405000	20.7	21.0	18.0	10.0	3.0	2.6	3.0	5	2.0
28	138917	R62862	4.1	27.0	13.0	6.0	3.0	2.5	0.9	1.4	3.2
6450	246430	N73214	4.8	30.0	15.0	7.0	1.0	2.5	2.1	1.6	2.8
5682	295106	N71631	4.6	25.0	20.0	12.0	0.0	2.5	1.6	3	2.7
19943	294578	W01726	4.2	25.0	12.0	6.0	4.0	2.5	4.9	3.2	1.8
527	342593	W68536	5.1	27.0	12.0	6.0	3.0	2.5	1.6	2	2.9
5070	823590	AA497128	6.5	22.0	16.0	9.0	3.0	2.5	2.4	1	2.8
6408	79726	T63177	6.9	28.0	16.0	8.0	1.0	2.5	2.9	2.4	2.4
6820	52021	H22566	1.8	20.0	15.0	11.0	3.0	2.5	3.1	0	2.8
5023	293325	N92106	5.3	26.0	14.0	8.0	2.0	2.5	2.6	3.4	2.3
20541	741919	AA402040	4.9	27.0	18.0	5.0	2.0	2.5	3.3	2.6	2.2
5942	811600	AA458533	3.9	29.0	9.0	5.0	3.0	2.5	4.1	2.2	2.1
13254	593929	AA169379	7.4	28.0	17.0	7.0	1.0	2.5	4.1	2.6	2.0
11321	490329	AA127805	4.5	25.0	23.0	7.0	1.0	2.5	3.1	4.6	1.9
4246	725680	AA399334	4.7	23.0	17.0	9.0	2.0	2.5	2.4	0	3.0
7064	769600	AA425900	4.1	24.0	19.0	12.0	0.0	2.5	2.9	1	2.6
8542	201440	R99105	8.1	25.0	19.0	6.0	2.0	2.5	1.9	4	2.3
10181	121551	T97813	3.7	22.0	13.0	7.0	4.0	2.5	4.4	3.6	1.7
27413	25389	R11688	8.5	18.0	14.0	10.0	4.0	2.4	2.4	3.0	3.5
25604	30673	R18222	2.8	23.0	14.0	5.0	4.0	2.4	3.2	3.8	3.1
7504	47459	H11562	4.1	22.0	15.0	8.0	3.0	2.4	3.0	0	2.8
381	109123	T80979	6.0	24.0	19.0	9.0	1.0	2.4	2.4	2	2.5
4412	140515	R66056	41.6	28.0	17.0	6.0	1.0	2.4	1.9	3	2.5
22731	378365	AA775509	24.2	23.0	15.0	9.0	2.0	2.4	3.2	3.8	3.1
1111	187616	R83758	3.3	28.0	13.0	5.0	2.0	2.4	1.7	1	2.9
17787	731047	AA421242	5.9	21.0	13.0	7.0	4.0	2.4	2.0	0.6	2.9
21493	756463	AA436401	8.8	22.0	16.0	7.0	3.0	2.4	2.7	0.4	2.7
17650	29967	R14766	1.9	23.0	15.0	9.0	2.0	2.4	3.9	0.4	2.4
14156	1412238	AA844818	7.6	18.0	17.0	10.0	3.0	2.4	2.4	0	2.8
2232	809552	AA455775	3.1	30.0	14.0	7.0	0.0	2.4	2.4	1.6	2.5
239	296444	N70196	6.9	26.0	17.0	7.0	1.0	2.4	1.6	4.6	2.2
5857	897906	AA598652	7.9	23.0	16.0	10.0	1.0	2.4	1.0	0	3.2
17144	29237	R41376	3.2	22.0	14.0	7.0	3.0	2.4	3.9	0	2.4
9478	868332	AA634028	52.8	20.0	17.0	10.0	2.0	2.4	4.0	0.6	2.2
6305	364563	AA022987	5.3	23.0	14.0	6.0	3.0	2.4	2.1	5	1.9
8106	486885	AA043091	9.2	23.0	14.0	8.0	2.0	2.3	0.7	2.4	2.8
707	824659	AA482169	7.1	31.0	18.0	3.0	0.0	2.3	3.0	2.6	2.1
25386	1636108	AI015679	10.9	19.0	12.0	10.0	3.0	2.3	1.8	5.8	2.8
10321	40038	R53445	3.4	19.0	15.0	6.0	4.0	2.3	1.9	1.2	2.6
4747	814378	AA458849	45.2	25.0	19.0	8.0	0.0	2.3	1.9	1.4	2.6
7927	52226	H23265	3.6	26.0	14.0	7.0	1.0	2.3	3.4	3	1.8
16612	510576	AA055880	5.0	16.0	13.0	10.0	4.0	2.3	5.0	3.6	1.3
1952	248261	N78083	2.8	26.0	15.0	6.0	1.0	2.3	1.6	1.6	2.6
2335	184038	H30688	2.3	25.0	19.0	5.0	1.0	2.3	2.0	1	2.6
1456	39874	R54559	5.0	19.0	15.0	8.0	3.0	2.3	1.4	2.6	2.4
1570	78294	T50951	13.0	31.0	18.0	2.0	0.0	2.3	2.0	2.2	2.4
11821	51548	H20826	44.1	21.0	13.0	9.0	2.0	2.2	0.3	1.4	3.0
1672	80109	T63945	12.2	17.0	14.0	10.0	3.0	2.2	3.0	0.6	2.4
23433	50877	H18423	28.4	14.0	10.0	7.0	6.0	2.2	2.6	2.5	3.1
9001	771301	AA443637	4.7	21.0	16.0	7.0	2.0	2.2	1.1	0	3.0
17921	51831	H22949	29.1	22.0	14.0	7.0	2.0	2.2	0.3	2.6	2.7
16850	28958	R40967	8.8	24.0	16.0	9.0	0.0	2.2	1.3	2	2.5
5344	428773	AA004664	4.5	26.0	12.0	4.0	2.0	2.2	2.4	0.4	2.5
11118	26196	R20755	14.3	18.0	12.0	7.0	4.0	2.2	1.0	2.6	2.5
21715	433294	AA699707	6.9	28.0	18.0	4.0	0.0	2.2	1.9	3.4	2.1

Table 4

7139	344430	W73527	7.3	19.0	12.0	6.0	4.0	2.2	2.9	2.8	1.9
3444	344588	W73168	3.1	21.0	12.0	6.0	3.0	2.2	1.0	0	3.0
17970	727263	AA412059	15.0	25.0	16.0	5.0	1.0	2.2	1.1	1.4	2.6
452	724112	AA411244	5.7	25.0	13.0	9.0	0.0	2.2	1.3	1.6	2.6
4016	203132	H54628	11.2	17.0	14.0	9.0	3.0	2.2	2.6	0.4	2.4
4573	347036	W81129	5.6	20.0	13.0	9.0	2.0	2.2	3.6	0	2.2
6103	771023	AA427978	5.7	29.0	13.0	5.0	0.0	2.2	1.6	3.2	2.2
15509	512116	AA133721	17.6	21.0	16.0	6.0	2.0	2.2	3.0	0.6	2.2
9497	433481	AA699573	3.1	19.0	10.0	6.0	4.0	2.2	3.3	8	0.7
6083	810203	AA464517	5.4	25.0	21.0	4.0	0.0	2.1	1.7	2.4	2.2
12861	625863	AA186776	30.7	23.0	14.0	7.0	1.0	2.1	1.4	3	2.2
1250	363086	AA019482	5.6	23.0	14.0	7.0	1.0	2.1	3.1	1	2.1
9223	366887	AA029597	4.5	26.0	15.0	6.0	0.0	2.1	3.0	1.4	2.0
9733	359009	W92134	2.5	24.0	18.0	4.0	1.0	2.1	3.4	1	2.0
5826	51447	H20822	8.0	19.0	14.0	6.0	3.0	2.1	4.3	0.6	1.8
9414	153541	AI820731	3.7	18.0	14.0	7.0	3.0	2.1	4.3	1.2	1.7
4813	299600	N74882	3.1	16.0	8.0	7.0	5.0	2.1	5.3	5.6	0.6
98	79629	T62636	11.5	25.0	10.0	4.0	2.0	2.1	1.7	1.2	2.4
8248	869375	AA679907	12.7	25.0	18.0	5.0	0.0	2.1	1.4	1.8	2.4
14502	34745	R44409	3.4	21.0	14.0	6.0	2.0	2.1	3.0	0	2.3
16087	1475595	AA873885	7.6	14.0	11.0	7.0	5.0	2.1	2.9	1	2.1
8197	501479	AA115351	2.3	25.0	14.0	7.0	0.0	2.1	1.4	3.6	2.0
2169	137387	R38044	6.2	24.0	13.0	6.0	1.0	2.1	1.1	4.2	2.0
2514	31251	R42852	3.5	19.0	8.0	6.0	4.0	2.1	3.6	2	1.7
26483	80715	T63214	24.5	19.0	13.0	8.0	2.0	2.1	2.0	2.3	3.1
20838	771303	AA443638	13.3	11.0	11.0	7.0	6.0	2.1	1.4	0	2.7
13880	327480	W32715	3.0	18.0	12.0	7.0	3.0	2.1	0.7	2	2.5
10472	742132	AA406019	31.4	24.0	17.0	6.0	0.0	2.1	1.7	1.4	2.3
1942	740925	AA478338	9.2	26.0	16.0	2.0	1.0	2.1	3.1	0	2.2
18318	1031583	AA609323	11.1	14.0	14.0	10.0	3.0	2.1	1.9	2	2.2
3242	80109	T63945	16.1	16.0	12.0	9.0	3.0	2.1	2.9	0.6	2.2
21494	280602	N47387	8.0	22.0	13.0	5.0	2.0	2.1	2.4	1.4	2.1
2530	154654	R55185	4.7	18.0	14.0	11.0	1.0	2.1	2.0	3.4	1.8
9925	47234	H10938	2.3	22.0	15.0	6.0	1.0	2.1	1.6	0.6	2.5
13645	279058	N51682	8.7	20.0	14.0	6.0	2.0	2.1	3.3	0	2.1
10935	810911	AA459527	69.5	28.0	18.0	1.0	0.0	2.1	2.3	1.8	2.0
21482	277173	N44209	6.5	20.0	14.0	6.0	2.0	2.1	3.7	0	2.0
20759	435319	AA699931	14.0	20.0	12.0	7.0	2.0	2.1	2.0	4.8	1.5
5024	752631	AA419620	3.6	24.0	12.0	3.0	2.0	2.1	1.6	6.2	1.4
5696	271952	N44673	5.7	24.0	12.0	5.0	1.0	2.0	1.7	0	2.5
13280	31869	R43017	2.8	26.0	15.0	4.0	0.0	2.0	1.4	0.8	2.4
5213	134948	R31785	7.1	25.0	15.0	5.0	0.0	2.0	2.4	1	2.1
2367	175103	H39187	6.0	20.0	14.0	8.0	1.0	2.0	2.6	1	2.1
14704	757205	AA443976	17.1	28.0	8.0	3.0	1.0	2.0	2.0	2.6	1.9
10501	810089	AA464963	16.3	19.0	13.0	7.0	2.0	2.0	1.9	3.2	1.8
11774	60565	T39376	10.6	22.0	15.0	8.0	0.0	2.0	2.4	4.6	1.4
12866	780938	AA429804	19.0	23.0	15.0	4.0	1.0	2.0	0.3	1.6	2.6
14101	121154	T96935	17.0	22.0	13.0	6.0	1.0	2.0	1.0	2	2.3
12069	502634	AA127017	36.4	18.0	11.0	6.0	3.0	2.0	1.3	3	2.0
8915	345081	W76368	3.0	26.0	18.0	2.0	0.0	2.0	2.9	1.6	1.8
24193	853998	AA668897	6.4	22.0	15.0	7.0	0.0	2.0	3.4	1.8	2.6
5080	813757	AA453816	5.8	19.0	13.0	6.0	2.0	2.0	0.7	1	2.5
20107	1049287	AA620757	6.8	20.0	11.0	6.0	2.0	2.0	2.1	0	2.3
16644	415712	W84658	32.7	23.0	12.0	5.0	1.0	2.0	1.1	1.8	2.2
856	754479	AA410188	10.7	19.0	12.0	4.0	3.0	2.0	3.4	0.6	1.8
8374	487327	AA045524	9.8	15.0	11.0	8.0	3.0	1.9	1.1	0.6	2.4
13639	811943	AA455012	3.9	18.0	13.0	9.0	1.0	1.9	1.4	1	2.3

Table 4

11509	840783	AA486092	17.8	17.0	10.0	9.0	2.0	1.9	1.1	1.6	2.2
10856	196543	R91570	4.9	20.0	9.0	4.0	3.0	1.9	1.7	0.8	2.2
7221	51939	H22956	3.3	21.0	14.0	3.0	2.0	1.9	0.6	2.6	2.2
17960	1375309	AA815407	2.7	24.0	16.0	4.0	0.0	1.9	1.4	1.4	2.2
12973	813286	AA456403	4.8	23.0	13.0	4.0	1.0	1.9	2.4	0	2.2
263	123065	T98529	28.1	25.0	12.0	5.0	0.0	1.9	1.0	2.2	2.2
17583	1456160	AA862465	3.3	14.0	10.0	7.0	4.0	1.9	2.1	1	2.1
6479	592594	AA160370	36.4	20.0	12.0	5.0	2.0	1.9	2.9	0	2.1
12607	43966	H04828	19.9	19.0	14.0	7.0	1.0	1.9	1.4	0.6	2.3
8184	460487	AA677706	3.7	20.0	10.0	3.0	3.0	1.9	1.4	0.8	2.3
15475	503675	AA131450	21.9	23.0	15.0	5.0	0.0	1.9	1.1	1.8	2.2
18649	824658	AA491292	5.5	24.0	12.0	3.0	1.0	1.9	1.7	2.2	1.9
9784	755599	AA419286	60.4	15.0	12.0	7.0	3.0	1.9	3.3	0	1.9
105	366834	AA029418	2.6	23.0	19.0	3.0	0.0	1.9	1.4	2.8	1.9
14590	35300	R43798	23.5	20.0	14.0	6.0	1.0	1.9	2.7	1.4	1.8
7456	344589	W73144	15.7	19.0	11.0	6.0	2.0	1.9	4.0	0.4	1.6
7366	810727	AA457718	11.0	16.0	10.0	9.0	2.0	1.9	1.0	0	2.5
157	727251	AA412053	87.4	16.0	12.0	8.0	2.0	1.9	1.4	0.6	2.3
14440	753376	AA406526	6.5	18.0	12.0	6.0	2.0	1.9	1.9	0	2.3
8258	277186	N40945	3.8	27.0	10.0	3.0	0.0	1.9	1.6	1.8	2.0
22040	392405	AA708201	12.8	25.0	14.0	3.0	0.0	1.9	2.6	1.4	1.8
17815	238689	H67236	5.8	24.0	12.0	5.0	0.0	1.9	2.3	2.2	1.7
11881	46827	H10098	3.2	17.0	9.0	6.0	3.0	1.9	1.9	3.4	1.6
3981	70827	T46923	4.0	13.0	8.0	8.0	4.0	1.9	0.3	9	0.9
3482	136188	R33307	9.7	9.0	8.0	7.0	6.0	1.9	6.7	2	0.5
10637	755612	AA419214	14.1	18.0	12.0	8.0	1.0	1.9	0.4	0.4	2.6
6771	154172	R52030	8.0	17.0	14.0	8.0	1.0	1.9	2.6	0.4	2.0
1698	815542	AA457042	22.2	17.0	11.0	7.0	2.0	1.9	2.9	0.6	1.8
4754	592540	AA160595	8.2	17.0	8.0	6.0	3.0	1.9	3.3	0	1.8
3361	295600	N66843	9.7	24.0	15.0	3.0	0.0	1.9	2.0	2.6	1.7
14858	343174	W67536	7.8	21.0	13.0	7.0	0.0	1.9	2.9	2	1.6
26102	1470659	AA864323	17.6	17.0	11.0	4.0	3.0	1.8	0.4	1.3	3.2
8219	322641	W15318	2.9	24.0	11.0	2.0	1.0	1.8	1.4	1.4	2.0
4700	810761	AA480851	6.9	16.0	14.0	6.0	2.0	1.8	1.4	1.6	2.0
19370	814915	AA465704	5.9	29.0	10.0	0.0	0.0	1.8	1.7	1.2	2.0
5136	246789	N53177	6.8	25.0	10.0	4.0	0.0	1.8	1.4	2	1.9
18275	796624	AA460529	8.0	16.0	12.0	7.0	2.0	1.8	2.0	1.4	1.9
13358	785693	AA449329	4.4	20.0	13.0	5.0	1.0	1.8	2.7	0.4	1.9
8317	460666	AA700322	4.3	24.0	9.0	3.0	1.0	1.8	2.3	1.4	1.8
8292	41835	R54212	2.9	20.0	10.0	4.0	2.0	1.8	1.7	3	1.6
1140	782217	AA431988	4.1	27.0	10.0	2.0	0.0	1.8	2.3	2.2	1.6
490	713660	AA284329	4.5	23.0	9.0	4.0	1.0	1.8	2.7	1.6	1.6
6340	81475	T63511	11.9	23.0	12.0	5.0	0.0	1.8	1.9	3	1.6
10646	739193	AA421218	5.0	14.0	10.0	7.0	3.0	1.8	0.3	0	2.6
22335	504927	AA151092	12.4	18.0	11.0	5.0	2.0	1.8	1.4	4.5	2.2
18161	950983	AA620401	343.0	20.0	15.0	6.0	0.0	1.8	1.1	0.8	2.2
19024	450330	AA703609	25.3	23.0	11.0	5.0	0.0	1.8	0.9	2.4	2.0
460	153411	R48091	101.1	15.0	10.0	6.0	3.0	1.8	3.9	0	1.6
26884	1292170	AA705819	9.8	18.0	13.0	6.0	1.0	1.8	3.0	0.0	2.7
14439	812074	AA455988	5.2	17.0	10.0	6.0	2.0	1.8	1.4	0	2.2
2446	417508	W88655	3.7	22.0	9.0	4.0	1.0	1.8	0.6	1.6	2.2
10312	950676	AA608555	5.6	19.0	10.0	4.0	2.0	1.8	1.4	0.6	2.1
13216	213575	H70163	30.8	26.0	12.0	1.0	0.0	1.8	1.1	1.6	2.0
21612	381036	AA054643	12.4	21.0	9.0	5.0	1.0	1.8	1.3	1.4	2.0
14735	843058	AA485978	5.8	23.0	11.0	2.0	1.0	1.8	1.4	1.4	2.0
5788	810813	AA458884	9.7	16.0	11.0	9.0	1.0	1.8	1.7	1.4	1.9
13568	566383	AA151775	9.9	15.0	11.0	5.0	3.0	1.8	2.9	0	1.8

Table 4

21732	452708	AA779251	3.1	22.0	12.0	5.0	0.0	1.8	1.4	2.2	1.8
10448	290182	N62213	3.2	25.0	14.0	1.0	0.0	1.8	1.1	2.8	1.8
13754	788524	AA452801	8.9	15.0	11.0	5.0	3.0	1.8	3.6	0	1.6
5560	814526	AA459588	5.1	19.0	12.0	5.0	1.0	1.8	0.3	0	2.5
18759	148914	R82801	10.6	14.0	11.0	8.0	2.0	1.8	0.7	0	2.4
8233	417761	W88725	20.1	21.0	8.0	5.0	1.0	1.8	0.9	0.8	2.2
16887	1323591	AA858026	20.4	10.0	8.0	6.0	5.0	1.8	1.7	0.4	2.0
19813	268385	N35187	8.1	18.0	11.0	4.0	2.0	1.8	2.1	0	2.0
22034	129032	R10382	20.7	10.0	9.0	8.0	4.0	1.8	2.4	0	1.9
2235	1049291	AA620759	5.1	25.0	11.0	2.0	0.0	1.8	2.1	0.8	1.8
12046	124447	R01094	18.4	20.0	13.0	6.0	0.0	1.8	1.3	2.4	1.8
5685	207968	H60445	21.0	24.0	13.0	2.0	0.0	1.8	1.6	2.2	1.7
21090	127063	R07891	4.6	16.0	8.0	5.0	3.0	1.8	1.9	2	1.7
15362	626348	AA188555	11.1	20.0	9.0	3.0	2.0	1.8	2.7	3.4	1.2
12667	39265	R51871	116.8	23.0	12.0	3.0	0.0	1.7	1.3	0.8	2.0
2838	814054	AA465479	5.5	20.0	14.0	5.0	0.0	1.7	2.1	0	2.0
11126	609743	AA169372	10.0	16.0	9.0	4.0	3.0	1.7	0.3	3	1.9
8128	770840	AA434298	5.0	23.0	9.0	2.0	1.0	1.7	1.3	1.6	1.9
16285	731198	AA417384	3.7	17.0	10.0	5.0	2.0	1.7	1.7	1.4	1.8
4397	785605	AA449463	49.0	18.0	13.0	5.0	1.0	1.7	1.7	1.6	1.8
1445	241475	H90477	57.7	23.0	14.0	2.0	0.0	1.7	1.7	2.2	1.6
19416	178922	H48148	6.6	20.0	11.0	4.0	1.0	1.7	1.1	3.6	1.5
18831	433603	AA701677	6.6	23.0	9.0	2.0	1.0	1.7	1.4	3.4	1.5
11851	839764	AA505003	25.5	13.0	10.0	6.0	3.0	1.7	0.0	1.4	2.2
13815	882522	AA676466	60.1	15.0	12.0	8.0	1.0	1.7	0.7	1	2.1
27538	1526826	AA911661	8.7	19.0	10.0	5.0	1.0	1.7	3.8	1.3	2.1
10084	345743	W72666	19.7	20.0	13.0	5.0	0.0	1.7	1.0	1.4	2.0
14842	339179	W60473	7.3	20.0	11.0	6.0	0.0	1.7	1.4	1	1.9
3785	213509	H72247	6.1	24.0	9.0	3.0	0.0	1.7	1.3	2	1.8
13183	838518	AA481729	14.2	25.0	9.0	1.0	0.0	1.7	1.3	2	1.8
20473	396358	AA758379	8.0	24.0	11.0	2.0	0.0	1.7	1.9	1.2	1.8
11624	562729	AA112727	10.1	13.0	7.0	5.0	4.0	1.7	2.7	0	1.8
16892	360392	AA015693	83.2	25.0	13.0	0.0	0.0	1.7	1.6	1.8	1.7
10099	277042	N46717	4.8	20.0	11.0	6.0	0.0	1.7	3.6	0.8	1.4
18526	713263	AA283106	4.8	14.0	9.0	5.0	3.0	1.7	1.4	0	2.1
14500	624744	AA187966	4.7	15.0	10.0	6.0	2.0	1.7	0.6	1.6	2.0
12103	61044	T39681	38.7	18.0	11.0	5.0	1.0	1.7	0.7	1.4	2.0
7488	362059	AA001432	8.2	17.0	8.0	5.0	2.0	1.7	1.4	1.2	1.8
10511	418328	W90693	44.1	27.0	8.0	0.0	0.0	1.7	1.4	1.2	1.8
15153	609950	AA174106	6.1	26.0	10.0	0.0	0.0	1.7	1.1	2	1.8
12817	592777	AA158234	7.1	23.0	14.0	1.0	0.0	1.7	1.6	1.6	1.7
10746	595197	AA164847	6.8	19.0	14.0	5.0	0.0	1.7	1.7	1.4	1.7
2898	108836	T77813	3.9	24.0	10.0	2.0	0.0	1.7	1.1	2.4	1.7
12788	294915	N71463	131.3	23.0	12.0	2.0	0.0	1.7	1.4	2	1.7
11222	131599	R23727	2.8	23.0	10.0	3.0	0.0	1.7	1.3	2.6	1.6
4774	897956	AA598817	13.5	18.0	11.0	5.0	1.0	1.7	1.9	2.2	1.5
15927	511952	AA100674	464.5	15.0	10.0	6.0	2.0	1.7	2.4	1.4	1.5
4939	127400	R08660	3.5	20.0	14.0	4.0	0.0	1.7	2.4	1.6	1.5
764	364555	AA022600	4.4	23.0	8.0	4.0	0.0	1.7	1.4	3.2	1.4
355	111264	T83439	4.3	23.0	10.0	3.0	0.0	1.7	2.6	2	1.4
15676	1473690	AA916728	7.7	17.0	13.0	5.0	1.0	1.7	2.6	2.6	1.2
4994	813256	AA456377	4.3	19.0	13.0	3.0	1.0	1.7	3.7	1	1.2
5605	108422	T77847	15.4	18.0	8.0	4.0	2.0	1.7	4.1	0.4	1.2
7087	345034	W76320	7.8	10.0	7.0	5.0	5.0	1.7	3.7	4	0.6
12440	198526	94858::R94859	380.6	20.0	11.0	5.0	0.0	1.6	0.6	0.4	2.2
9712	22895	T75251	5.4	16.0	9.0	5.0	2.0	1.6	0.6	0.8	2.1
12244	23774	R38196	6.0	18.0	11.0	7.0	0.0	1.6	1.4	0	2.0

Table 4

5015	160838	H24688	9.1	20.0	8.0	4.0	1.0	1.6	0.9	1.4	1.9
11254	795185	AA453982	15.9	15.0	11.0	5.0	2.0	1.6	1.6	0.4	1.9
10950	884283	AA669750	33.7	18.0	14.0	3.0	1.0	1.6	0.7	2	1.8
2413	810444	AA457114	21.6	21.0	11.0	4.0	0.0	1.6	0.9	1.8	1.8
1196	212640	H69620	2.6	24.0	11.0	1.0	0.0	1.6	1.3	1.2	1.8
9502	253009	H88588	295.3	13.0	9.0	8.0	2.0	1.6	1.0	2	1.8
16435	42807	R60135	3.9	23.0	11.0	2.0	0.0	1.6	1.9	1.6	1.6
2524	134256	R31161	2.9	24.0	11.0	1.0	0.0	1.6	1.9	1.8	1.6
600	243638	N49883	32.2	22.0	13.0	2.0	0.0	1.6	1.9	2	1.5
7814	810002	AA455206	20.9	18.0	13.0	6.0	0.0	1.6	2.1	2	1.4
8378	730439	AA469975	15.9	19.0	10.0	4.0	1.0	1.6	0.6	4.4	1.4
21856	360644	AA015819	7.5	24.0	6.0	1.0	1.0	1.6	0.9	4	1.4
2592	214205	H77797	33.9	20.0	13.0	4.0	0.0	1.6	1.7	3.4	1.3
19070	278572	N99169	19.6	17.0	14.0	4.0	1.0	1.6	1.9	4	1.1
12638	785585	AA449444	5.2	17.0	10.0	6.0	1.0	1.6	2.1	4.4	1.0
16499	37980	R61372	1.8	11.0	7.0	6.0	4.0	1.6	2.3	4.4	0.9
6562	128515	R10675	6.9	19.0	11.0	3.0	1.0	1.6	0.3	1	2.1
7060	207932	H60514	173.2	20.0	12.0	4.0	0.0	1.6	1.0	0.6	2.0
14040	29920	R16367	3.0	16.0	11.0	6.0	1.0	1.6	1.0	1	1.9
18144	565779	AA135870	192.3	22.0	12.0	2.0	0.0	1.6	1.0	1	1.9
12799	376839	AA047618	14.1	19.0	11.0	3.0	1.0	1.6	1.7	0.4	1.8
5198	296472	N74635	4.2	25.0	8.0	1.0	0.0	1.6	0.9	2	1.8
16248	214624	H71242	7.8	19.0	9.0	4.0	1.0	1.6	1.1	1.8	1.7
6075	268000	N23753	23.9	23.0	12.0	1.0	0.0	1.6	1.3	1.6	1.7
8911	204661	H57130	3.7	20.0	9.0	3.0	1.0	1.6	1.1	2.2	1.6
13223	839545	AA489791	6.4	20.0	14.0	3.0	0.0	1.6	1.3	2	1.6
5418	810873	AA459197	31.3	16.0	10.0	4.0	2.0	1.6	2.4	0.4	1.6
15940	666029	AA193579	14.6	17.0	9.0	6.0	1.0	1.6	1.0	2.8	1.6
11620	415321	W91901	5.3	18.0	16.0	4.0	0.0	1.6	1.3	2.4	1.6
14352	586845	AA133554	1.6	22.0	8.0	4.0	0.0	1.6	3.0	0	1.6
10374	782851	AA448285	23.9	18.0	12.0	6.0	0.0	1.6	1.4	2.4	1.5
10583	47151	H10995	8.6	19.0	9.0	4.0	1.0	1.6	0.9	4	1.4
6948	271076	N42970	9.3	16.0	11.0	6.0	1.0	1.6	0.7	4.4	1.3
12518	593026	AA159356	7.6	13.0	8.0	5.0	3.0	1.6	0.3	0.4	2.2
12760	358699	W94246	9.5	21.0	11.0	3.0	0.0	1.6	0.3	1.2	2.0
8564	810457	AA464485	6.0	19.0	11.0	5.0	0.0	1.6	0.3	1.4	2.0
12482	292982	N69100	32.0	17.0	15.0	5.0	0.0	1.6	0.7	1.6	1.8
3173	246765	N53169	69.6	23.0	11.0	1.0	0.0	1.6	1.0	1.4	1.8
12344	321905	W37683	10.1	18.0	10.0	4.0	1.0	1.6	1.4	0.8	1.8
5458	153006	R49999	3.3	22.0	11.0	2.0	0.0	1.6	1.4	1	1.8
6089	241097	H80336	18.8	23.0	9.0	2.0	0.0	1.6	1.3	1.4	1.7
5619	121736	T97997	23.1	19.0	11.0	5.0	0.0	1.6	1.0	2	1.7
309	201030	H48270	34.9	24.0	9.0	1.0	0.0	1.6	1.1	1.8	1.7
2451	119914	T94293	60.8	18.0	10.0	4.0	1.0	1.6	1.4	1.4	1.7
5868	127843	R08830	6.2	25.0	9.0	0.0	0.0	1.6	1.4	1.6	1.6
12796	293444	N63696	22.3	22.0	15.0	0.0	0.0	1.6	1.7	1.2	1.6
3265	202168	H52361	2.6	19.0	10.0	3.0	1.0	1.6	0.6	3	1.6
11256	755751	AA496519	5.2	20.0	10.0	2.0	1.0	1.6	1.1	2.4	1.6
259	126234	R06363	4.1	23.0	11.0	1.0	0.0	1.6	1.4	2.2	1.5
2271	268960	N24645	28.0	22.0	9.0	3.0	0.0	1.6	1.7	1.8	1.5
2497	295939	N67034	15.2	19.0	10.0	3.0	1.0	1.6	2.4	0.8	1.5
16638	841621	AA487683	9.8	16.0	10.0	6.0	1.0	1.6	2.7	0.4	1.5
20115	135975	R33557	23.7	17.0	12.0	4.0	1.0	1.6	2.1	1.6	1.4
2444	85128	T71421	19.9	17.0	14.0	3.0	1.0	1.6	3.3	0.6	1.3
2944	194906	R88708	17.4	16.0	15.0	6.0	0.0	1.6	2.3	2.2	1.3
19578	257323	N39886	11.3	19.0	8.0	4.0	1.0	1.6	3.3	0.8	1.3
1829	210710	H66883	73.8	22.0	10.0	2.0	0.0	1.6	0.4	1.4	1.9

Table 4

7878	212115	H68978	198.8	21.0	10.0	3.0	0.0	1.6	0.9	0.8	1.9
11931	290280	N64464	4.0	22.0	6.0	4.0	0.0	1.6	0.9	0.8	1.9
12527	811927	AA456282	35.6	14.0	10.0	5.0	2.0	1.6	1.4	0	1.9
27757	202154	H52503	132.0	15.0	11.0	6.0	1.0	1.6	1.4	3.8	1.9
9102	68950	T54213	9.4	16.0	10.0	3.0	2.0	1.6	0.0	2.2	1.9
2812	136802	R36081	26.6	19.0	10.0	5.0	0.0	1.6	1.0	0.8	1.9
1065	197051	R93153	80.0	21.0	10.0	3.0	0.0	1.6	1.0	0.8	1.9
13563	262927	H99704	464.1	19.0	12.0	4.0	0.0	1.6	1.3	0.4	1.9
17793	549035	AA083207	1.4	15.0	10.0	4.0	2.0	1.6	1.4	0.4	1.8
2646	201651	R98262	16.2	23.0	6.0	3.0	0.0	1.6	1.0	1.4	1.8
6369	744800	AA644448	7.6	17.0	12.0	6.0	0.0	1.6	0.3	2.6	1.7
253	132828	R26919	2.9	24.0	10.0	0.0	0.0	1.6	1.6	0.8	1.7
16619	292122	N62434	19.9	21.0	14.0	1.0	0.0	1.6	1.6	0.8	1.7
6785	49567	H15113	3.0	21.0	8.0	4.0	0.0	1.6	1.0	1.8	1.7
6064	241847	H93392	9.6	19.0	14.0	3.0	0.0	1.6	1.1	1.6	1.7
8087	429685	AA011598	17.8	20.0	8.0	5.0	0.0	1.6	1.3	1.4	1.7
3463	183476	H45617	44.2	20.0	10.0	4.0	0.0	1.6	1.6	1	1.7
17300	416808	W86779	5.0	25.0	8.0	0.0	0.0	1.6	1.7	0.8	1.7
7883	741977	AA401441	41.9	16.0	11.0	5.0	1.0	1.6	2.4	0	1.6
7707	135106	R33925	7.2	23.0	10.0	1.0	0.0	1.6	1.1	2.2	1.6
5390	66982	T69545	8.4	20.0	14.0	2.0	0.0	1.6	1.7	1.4	1.6
11962	365642	AA025889	6.4	19.0	10.0	5.0	0.0	1.6	1.4	2	1.5
16701	757244	AA426025	12.1	17.0	8.0	3.0	2.0	1.6	4.0	0	1.2
290	245489	N53552	3.9	20.0	11.0	3.0	0.0	1.5	0.3	0.8	2.0
11127	595078	AA164818	40.3	12.0	8.0	5.0	3.0	1.5	1.4	0	1.9
21211	432611	AA699443	4.0	22.0	9.0	2.0	0.0	1.5	1.0	0.8	1.8
10855	134942	R32291	7.6	18.0	11.0	5.0	0.0	1.5	0.6	1.6	1.8
11237	782575	AA448505	3.6	19.0	8.0	3.0	1.0	1.5	1.0	1	1.8
8163	299609	N70848	94.5	21.0	11.0	2.0	0.0	1.5	0.9	1.4	1.8
21423	430954	AA678318	4.2	19.0	10.0	2.0	1.0	1.5	1.0	1.2	1.8
2306	190491	H37774	59.6	21.0	11.0	2.0	0.0	1.5	1.3	0.8	1.8
6254	429764	AA009677	3.0	20.0	11.0	3.0	0.0	1.5	1.3	0.8	1.8
21987	897276	AA677650	11.5	17.0	11.0	6.0	0.0	1.5	1.3	0.8	1.8
5408	212649	H69630	2.7	22.0	11.0	1.0	0.0	1.5	0.7	1.8	1.7
6731	841396	AA487543	6.1	17.0	13.0	5.0	0.0	1.5	1.3	1	1.7
7501	417424	W88571	3.1	18.0	13.0	4.0	0.0	1.5	1.4	1	1.7
12008	435551	AA701914	5.9	20.0	8.0	2.0	1.0	1.5	0.9	2	1.6
2665	199602	R96586	14.3	20.0	9.0	4.0	0.0	1.5	1.3	1.4	1.6
19251	431559	AA676268	4.2	25.0	7.0	0.0	0.0	1.5	1.4	1.2	1.6
6057	240138	H79613	3.4	22.0	13.0	0.0	0.0	1.5	1.3	1.6	1.6
9276	241330	H91245	17.8	19.0	11.0	4.0	0.0	1.5	1.0	2.2	1.6
10060	272677	N44161	6.0	22.0	11.0	1.0	0.0	1.5	1.0	2.2	1.6
6247	327058	W02679	3.4	21.0	15.0	0.0	0.0	1.5	1.4	1.6	1.6
10744	66747	T64919	33.2	23.0	11.0	0.0	0.0	1.5	1.4	1.8	1.5
2611	243414	N38993	26.5	21.0	9.0	3.0	0.0	1.5	1.7	1.6	1.5
5548	504226	AA132090	5.3	19.0	11.0	4.0	0.0	1.5	2.3	0.8	1.5
11692	267808	N32677	4.4	18.0	15.0	3.0	0.0	1.5	1.9	1.6	1.4
13726	744436	AA621224	2.5	22.0	11.0	1.0	0.0	1.5	1.7	2	1.4
11639	245137	N54395	3.3	22.0	9.0	2.0	0.0	1.5	1.6	2.4	1.4
24856	840266	AA485460	23.4	13.0	9.0	6.0	2.0	1.5	5.0	2.3	1.2
3840	320712	W31675	5.7	22.0	9.0	2.0	0.0	1.5	2.9	2	1.1
10462	795378	AA453495	13.7	14.0	9.0	5.0	2.0	1.5	0.6	6	0.9
18406	38740	R51273	9.7	13.0	8.0	4.0	3.0	1.5	3.6	2.8	0.7
17904	27769	R40176	4.0	10.0	7.0	5.0	4.0	1.5	3.7	4	0.4
5454	742082	AA405769	2.5	16.0	8.0	3.0	2.0	1.5	0.7	0	2.0
12328	309895	N94488	9.3	17.0	9.0	4.0	1.0	1.5	0.7	1.4	1.8
15735	567055	AA131315	19.0	16.0	9.0	5.0	1.0	1.5	0.7	1.4	1.8



Table 4

10140	416539	W86423	124.3	22.0	10.0	1.0	0.0	1.5	1.0	1	1.8
12240	796760	AA460722	65.0	22.0	10.0	1.0	0.0	1.5	1.0	1	1.8
2404	85497	T71879	12.5	12.0	9.0	4.0	3.0	1.5	1.7	0	1.8
24451	1555427	AA975209	11.6	12.0	9.0	4.0	3.0	1.5	2.6	2.5	1.7
8205	501854	AA127965	5.9	20.0	10.0	3.0	0.0	1.5	1.4	0.8	1.7
4189	234647	H77736	11.2	20.0	8.0	4.0	0.0	1.5	1.6	0.6	1.7
11327	201090	R99849	37.5	23.0	10.0	0.0	0.0	1.5	1.1	1.4	1.6
5972	242700	H94263	20.7	20.0	14.0	1.0	0.0	1.5	1.3	1.2	1.6
4919	202921	H54384	3.3	22.0	10.0	1.0	0.0	1.5	1.0	1.8	1.6
5674	295044	N99525	14.3	20.0	14.0	1.0	0.0	1.5	1.1	1.6	1.6
5188	188390	H43657	7.7	18.0	12.0	4.0	0.0	1.5	1.4	1.4	1.6
7992	46919	H10226	14.7	23.0	10.0	0.0	0.0	1.5	1.4	1.6	1.5
19103	416479	W86908	6.8	17.0	9.0	4.0	1.0	1.5	1.7	1.4	1.5
1067	124271	R02036	2.4	21.0	14.0	0.0	0.0	1.5	1.7	1.6	1.4
1024	138168	R53815	26.8	19.0	12.0	3.0	0.0	1.5	1.7	1.6	1.4
12988	1160618	AA877618	9.5	20.0	10.0	3.0	0.0	1.5	2.1	1	1.4
7961	243159	H94563	4.6	17.0	10.0	6.0	0.0	1.5	2.0	1.4	1.4
2590	204735	H57166	44.7	18.0	10.0	5.0	0.0	1.5	1.6	2.2	1.4
7839	417393	W89059	7.3	22.0	10.0	1.0	0.0	1.5	1.6	2.2	1.4
1828	245452	N55067	19.1	23.0	8.0	1.0	0.0	1.5	2.0	1.8	1.3
1349	179232	H50229	3.0	20.0	12.0	2.0	0.0	1.5	1.9	2.4	1.2
3207	814306	AA459100	20.5	15.0	11.0	5.0	1.0	1.5	2.1	2	1.2
22432	824211	AA491169	1.4	16.0	7.0	3.0	2.0	1.5	1.4	0.8	2.4
10329	41391	R56123	4.4	16.0	10.0	4.0	1.0	1.5	1.1	0	1.9
7288	40768	R56432	143.5	20.0	11.0	2.0	0.0	1.5	1.0	0.4	1.8
7043	268258	N36350	110.6	17.0	11.0	5.0	0.0	1.5	1.0	0.4	1.8
17397	268115	N35743	1.7	19.0	9.0	4.0	0.0	1.5	1.3	0	1.8
10480	287687	N59150	148.7	18.0	11.0	4.0	0.0	1.5	0.7	1	1.8
4043	137793	R68537	5.2	21.0	11.0	1.0	0.0	1.5	1.3	0.4	1.8
2215	260707	H97185	3.1	19.0	13.0	2.0	0.0	1.5	1.3	0.8	1.7
22185	265103	N27996	8.6	16.0	10.0	4.0	1.0	1.5	1.6	0.4	1.7
12093	503749	AA131469	6.5	21.0	11.0	1.0	0.0	1.5	1.1	1.4	1.6
13823	843398	AA489442	5.5	22.0	7.0	2.0	0.0	1.5	1.4	1.2	1.6
8943	195369	R89584	97.7	21.0	11.0	1.0	0.0	1.5	1.6	1	1.6
12509	72663	T50397	2.7	20.0	13.0	1.0	0.0	1.5	1.4	1.4	1.5
12016	236059	H53703	8.6	16.0	8.0	5.0	1.0	1.5	0.9	2.4	1.5
7852	296452	W00945	8.1	13.0	6.0	4.0	3.0	1.5	0.9	2.4	1.5
7740	415111	W93147	6.7	22.0	5.0	3.0	0.0	1.5	0.9	2.4	1.5
1069	242644	H95499	4.1	21.0	13.0	0.0	0.0	1.5	1.6	1.4	1.5
2991	415178	W95104	3.0	23.0	9.0	0.0	0.0	1.5	1.3	2	1.4
3719	130791	R22057	15.2	16.0	13.0	5.0	0.0	1.5	1.0	2.6	1.4
1453	241497	H90434	47.0	20.0	13.0	1.0	0.0	1.5	1.3	2.2	1.4
3329	470379	AA031284	9.2	21.0	9.0	2.0	0.0	1.5	1.4	2	1.4
232	136919	R36539	7.9	22.0	11.0	0.0	0.0	1.5	1.6	1.8	1.4
13028	24176	T78751	8.7	20.0	9.0	3.0	0.0	1.5	1.9	2	1.3
4461	292833	N90491	16.5	16.0	10.0	4.0	1.0	1.5	3.0	0.6	1.2
8001	41850	R52786	2.9	16.0	8.0	5.0	1.0	1.5	2.4	3.2	0.9
18201	376040	AA040332	5.3	12.0	9.0	6.0	2.0	1.5	3.3	4.4	0.4
4571	809694	AA454702	4.6	13.0	10.0	4.0	2.0	1.5	0.4	0	2.0
4413	361974	AA001449	11.8	15.0	8.0	3.0	2.0	1.5	0.6	0	2.0
23778	233464	H77297	5.5	17.0	12.0	4.0	0.0	1.5	3.0	0.8	1.9
8596	234955	H73628	56.8	20.0	10.0	2.0	0.0	1.5	0.6	0.8	1.8
12913	254549	N23867	173.5	20.0	8.0	3.0	0.0	1.5	0.9	0.4	1.8
12300	298091	A1822093	82.7	18.0	12.0	3.0	0.0	1.5	0.9	0.4	1.8
10476	39920	R53935	59.7	17.0	9.0	3.0	1.0	1.5	1.0	0.6	1.8
13632	240223	H89651	170.3	21.0	12.0	0.0	0.0	1.5	1.1	1.2	1.6
6052	282404	N52705	9.3	21.0	8.0	2.0	0.0	1.5	1.7	0.4	1.6

Table 4

2501	128775	R16756	21.1	21.0	8.0	2.0	0.0	1.5	1.3	1.2	1.6
17410	784200	AA446859	70.5	16.0	9.0	4.0	1.0	1.5	1.4	1	1.6
8631	430186	AA010188	4.0	17.0	9.0	3.0	1.0	1.5	2.1	0	1.6
10955	28510	R40446	25.2	24.0	6.0	0.0	0.0	1.5	0.9	2	1.5
1875	205417	H57816	40.1	22.0	6.0	2.0	0.0	1.5	1.6	1	1.5
2598	208904	H63760	4.4	22.0	8.0	1.0	0.0	1.5	0.9	2.2	1.5
9700	205239	H60824	5.0	19.0	10.0	3.0	0.0	1.5	2.1	0.4	1.5
11208	278759	N62946	4.7	18.0	9.0	2.0	1.0	1.5	1.3	2	1.4
5747	295916	N67023	63.9	20.0	10.0	2.0	0.0	1.5	1.3	2	1.4
8709	796674	AA460556	6.7	24.0	6.0	0.0	0.0	1.5	1.4	1.8	1.4
11154	127230	R08237	18.0	20.0	8.0	3.0	0.0	1.5	1.7	1.4	1.4
581	290039	N59368	4.5	18.0	10.0	4.0	0.0	1.5	1.7	1.4	1.4
10652	25520	R37696	15.9	13.0	9.0	7.0	1.0	1.5	0.7	3	1.4
5715	144880	R78579	2.7	20.0	14.0	0.0	0.0	1.5	1.3	2.2	1.4
3711	130758	R22035	4.8	18.0	12.0	3.0	0.0	1.5	1.4	2	1.4
2553	128735	R16833	37.4	18.0	12.0	3.0	0.0	1.5	1.7	2.6	1.2
4351	809464	AA443093	6.7	16.0	6.0	3.0	2.0	1.5	2.1	2	1.2
21796	174311	H23959	11.9	16.0	9.0	4.0	1.0	1.5	1.4	3.8	1.0
23071	845516	AA644224	16.7	17.0	7.0	6.0	0.0	1.4	1.4	1.5	2.1
8278	755228	AA496334	4.3	20.0	6.0	1.0	1.0	1.4	0.7	0	1.9
8713	859807	AA668527	86.7	21.0	11.0	0.0	0.0	1.4	0.3	1	1.8
10262	135085	R33918	304.0	20.0	9.0	2.0	0.0	1.4	0.3	1.2	1.8
12343	259275	N32847	707.4	18.0	11.0	3.0	0.0	1.4	1.1	0	1.8
7592	51828	H22946	160.8	20.0	11.0	1.0	0.0	1.4	0.6	1.2	1.7
20022	279824	N40968	7.2	15.0	10.0	4.0	1.0	1.4	1.4	0	1.7
15573	138281	R68012	157.9	22.0	7.0	1.0	0.0	1.4	1.0	1	1.6
4752	207358	H58872	18.8	18.0	7.0	5.0	0.0	1.4	0.9	1.4	1.6
7846	810263	AA464018	64.5	22.0	9.0	0.0	0.0	1.4	1.3	0.8	1.6
19517	725707	AA394197	8.3	16.0	13.0	4.0	0.0	1.4	1.6	0.4	1.6
13200	241241	H81083	127.9	22.0	9.0	0.0	0.0	1.4	1.1	1.2	1.6
6963	133864	R28660	4.7	15.0	9.0	2.0	2.0	1.4	2.0	0	1.6
17194	726893	AA398431	12.9	20.0	7.0	3.0	0.0	1.4	0.6	2.2	1.5
6036	208570	H63136	4.4	20.0	11.0	1.0	0.0	1.4	1.3	1.2	1.5
3106	240766	H80214	20.0	22.0	9.0	0.0	0.0	1.4	1.3	1.2	1.5
19508	435919	AA701948	13.4	23.0	5.0	1.0	0.0	1.4	1.1	1.6	1.5
18084	417800	W88841	8.0	20.0	7.0	3.0	0.0	1.4	1.7	0.8	1.5
13288	37539	R49645	2.5	19.0	9.0	3.0	0.0	1.4	1.9	0.6	1.5
17884	42793	R59722	7.1	15.0	11.0	6.0	0.0	1.4	1.9	0.6	1.5
9996	320201	W15542	114.7	19.0	11.0	2.0	0.0	1.4	1.0	2.2	1.4
19603	745131	AA626705	8.1	18.0	9.0	4.0	0.0	1.4	1.0	2.2	1.4
1739	120634	T95125	144.0	20.0	9.0	2.0	0.0	1.4	1.6	1.4	1.4
4897	206937	R98709	4.8	19.0	13.0	1.0	0.0	1.4	1.3	2	1.4
8112	282315	N51961	26.1	21.0	9.0	1.0	0.0	1.4	1.4	2	1.3
7109	292894	N91084	10.4	14.0	10.0	5.0	1.0	1.4	2.4	1	1.2
12049	491311	AA148573	2.9	20.0	9.0	2.0	0.0	1.4	1.9	2	1.2
22596	1629753	AA984314	5.2	13.0	7.0	5.0	2.0	1.4	2.8	4.5	1.1
21406	23819	T77199	4.6	14.0	11.0	7.0	0.0	1.4	1.9	2.6	1.1
22434	122728	T99031	16.3	19.0	8.0	3.0	0.0	1.4	0.4	2.3	2.2
14232	359072	W92350	218.1	17.0	10.0	4.0	0.0	1.4	0.6	0	1.9
369	196636	R93007	16.8	7.0	6.0	6.0	4.0	1.4	0.0	1	1.9
1763	120162	T95274	10.0	14.0	9.0	5.0	1.0	1.4	0.4	0.6	1.8
5965	194351	H50872	83.7	20.0	8.0	2.0	0.0	1.4	0.4	0.6	1.8
13925	587430	AA132524	220.0	18.0	10.0	3.0	0.0	1.4	0.9	0	1.8
6119	810609	AA464030	157.1	18.0	10.0	3.0	0.0	1.4	0.4	0.8	1.8
249	186918	H43317	1.7	17.0	9.0	2.0	1.0	1.4	0.7	0.4	1.8
12304	309368	N93967	193.0	21.0	10.0	0.0	0.0	1.4	0.7	0.4	1.8
6324	207636	H60335	41.5	19.0	12.0	1.0	0.0	1.4	0.9	0.4	1.8

Table 4

18250	208499	H63111	18.8	15.0	10.0	6.0	0.0	1.4	0.7	0.8	1.7
13926	743030	AA406061	1.1	15.0	9.0	4.0	1.0	1.4	0.9	0.6	1.7
26742	1637302	AI005521	13.4	15.0	9.0	4.0	1.0	1.4	1.0	3.8	1.7
5968	195853	R92205	13.6	7.0	6.0	6.0	4.0	1.4	0.0	2	1.7
5293	239708	H79640	80.0	22.0	6.0	1.0	0.0	1.4	0.3	1.6	1.7
11534	302025	N89753	7.2	20.0	8.0	2.0	0.0	1.4	0.6	1.2	1.7
13335	726703	AA398264	7.4	18.0	8.0	4.0	0.0	1.4	0.6	1.2	1.7
3793	213698	H72290	50.0	19.0	10.0	2.0	0.0	1.4	0.7	1	1.7
8639	430320	AA010512	34.2	18.0	10.0	3.0	0.0	1.4	0.7	1	1.7
1057	245413	N55013	26.0	19.0	10.0	2.0	0.0	1.4	0.6	1.4	1.6
10860	242001	H92974	36.4	18.0	8.0	4.0	0.0	1.4	0.7	1.4	1.6
21501	756471	AA481348	3.7	17.0	10.0	4.0	0.0	1.4	1.0	1	1.6
6085	244722	N52535	61.5	21.0	10.0	0.0	0.0	1.4	1.1	1	1.6
19902	825325	AA504555	11.7	15.0	10.0	6.0	0.0	1.4	1.1	1	1.6
343	149373	H04382	2.9	17.0	11.0	1.0	1.0	1.4	1.3	0.8	1.6
8615	365517	AA009593	127.3	21.0	6.0	2.0	0.0	1.4	1.3	0.8	1.6
5719	131239	R24258	4.5	22.0	6.0	1.0	0.0	1.4	1.6	0.4	1.6
3181	809523	AA456474	15.1	23.0	6.0	0.0	0.0	1.4	0.9	1.6	1.5
6622	809585	AA455810	15.9	21.0	6.0	2.0	0.0	1.4	0.9	1.8	1.5
8765	52191	H24355	16.6	21.0	10.0	0.0	0.0	1.4	1.6	0.8	1.5
6640	811139	AA486460	110.0	15.0	11.0	3.0	1.0	1.4	2.1	0	1.5
4937	200838	R98947	3.5	18.0	5.0	3.0	1.0	1.4	2.0	0.4	1.4
12261	52755	H29783	11.0	19.0	7.0	1.0	1.0	1.4	1.1	1.8	1.4
11761	454190	AA677083	12.8	22.0	8.0	0.0	0.0	1.4	1.3	1.6	1.4
9054	46166	H09076	2.6	19.0	10.0	2.0	0.0	1.4	2.0	0.6	1.4
10903	770681	AA476285	5.8	18.0	10.0	3.0	0.0	1.4	2.0	0.6	1.4
11267	143450	R74581	10.1	18.0	8.0	4.0	0.0	1.4	2.1	0.4	1.4
125	183337	H42728	16.0	16.0	9.0	3.0	1.0	1.4	2.6	0	1.4
3170	840942	AA486532	27.7	12.0	8.0	5.0	2.0	1.4	2.6	0	1.4
12862	795230	AA453598	3.4	21.0	8.0	1.0	0.0	1.4	1.3	2	1.3
7416	855547	AA664195	67.1	16.0	11.0	2.0	1.0	1.4	2.7	0	1.3
17607	1456937	AA863449	8.4	10.0	7.0	5.0	3.0	1.4	2.7	0	1.3
247	122126	T98484	34.9	18.0	12.0	2.0	0.0	1.4	1.3	2.2	1.3
12182	123264	T99926	4.0	19.0	12.0	1.0	0.0	1.4	1.4	2	1.3
5928	194342	H50667	42.1	22.0	8.0	0.0	0.0	1.4	1.4	2	1.3
6101	245062	N52655	7.8	22.0	8.0	0.0	0.0	1.4	1.4	2	1.3
20359	294537	W01927	5.8	21.0	8.0	1.0	0.0	1.4	2.9	0	1.3
14369	610042	AA174133	14.6	20.0	8.0	2.0	0.0	1.4	1.9	1.6	1.2
3031	271378	N44638	12.2	19.0	10.0	2.0	0.0	1.4	1.7	2.2	1.2
12382	773293	AA425214	3.7	18.0	9.0	1.0	1.0	1.4	0.6	4	1.1
2213	242084	H93339	38.7	18.0	14.0	1.0	0.0	1.4	1.7	2.4	1.1
18472	177074	H40964	5.7	17.0	9.0	2.0	1.0	1.4	2.1	2	1.1
18871	682749	AA210841	5.8	19.0	10.0	2.0	0.0	1.4	1.9	2.8	1.0
20339	685516	AA262573	8.2	19.0	7.0	1.0	1.0	1.4	2.0	3.4	0.8
4469	296793	N74084	50.1	20.0	10.0	1.0	0.0	1.4	1.4	1	1.5
36	245330	N54596	19.5	10.0	6.0	5.0	3.0	1.4	0.0	0	2.0
3437	204558	H56894	59.6	18.0	11.0	2.0	0.0	1.4	0.4	0.6	1.8
6440	34070	R44850	74.2	20.0	9.0	1.0	0.0	1.4	0.6	0.4	1.8
9172	67735	T49633	228.3	20.0	9.0	1.0	0.0	1.4	0.6	0.4	1.8
12784	244300	N54783	199.1	20.0	7.0	2.0	0.0	1.4	0.9	0	1.8
10278	40352	R54797	53.1	21.0	7.0	1.0	0.0	1.4	0.3	1	1.8
22051	140008	R64686	4.7	17.0	8.0	2.0	1.0	1.4	1.0	0.4	1.7
11588	269288	N26663	17.8	20.0	9.0	1.0	0.0	1.4	0.9	0.8	1.6
16983	280308	N47075	6.5	8.0	7.0	4.0	4.0	1.4	1.4	0	1.6
19154	435597	AA703169	4.2	10.0	6.0	5.0	3.0	1.4	1.4	0	1.6
24182	448628	AA777283	6.9	14.0	7.0	3.0	2.0	1.4	1.2	3.5	1.6
16304	233627	H78411	60.6	20.0	11.0	0.0	0.0	1.4	1.0	0.8	1.6

Table 4

8176	884644	AA629897	5.7	14.0	8.0	5.0	1.0	1.4	0.3	2	1.6
4638	123561	R01478	45.1	18.0	11.0	2.0	0.0	1.4	1.0	1	1.6
9788	155768	R72150	2.3	13.0	5.0	5.0	2.0	1.4	1.7	0	1.6
3377	201519	R97032	8.5	14.0	5.0	4.0	2.0	1.4	0.6	1.8	1.5
13106	627428	AA190313	132.2	20.0	7.0	2.0	0.0	1.4	1.0	1.2	1.5
5207	131388	R22988	3.5	21.0	7.0	1.0	0.0	1.4	0.7	1.8	1.5
4207	148743	H12777	9.4	19.0	7.0	3.0	0.0	1.4	0.9	1.8	1.4
11320	471859	AA035144	2.0	19.0	11.0	1.0	0.0	1.4	1.0	1.6	1.4
6306	505000	AA151265	4.4	19.0	9.0	2.0	0.0	1.4	1.0	1.6	1.4
21281	845723	AA773358	43.4	15.0	9.0	6.0	0.0	1.4	1.9	0.4	1.4
4324	124052	R02799	3.9	19.0	11.0	1.0	0.0	1.4	0.9	2.2	1.4
2993	212252	H68621	4.2	22.0	7.0	0.0	0.0	1.4	1.3	1.6	1.4
6360	79000	T62164	11.6	16.0	6.0	4.0	1.0	1.4	2.4	0	1.4
72	123730	R01281	4.5	20.0	11.0	0.0	0.0	1.4	2.1	0.6	1.3
18597	235986	H61222	4.3	15.0	10.0	3.0	1.0	1.4	2.3	0.4	1.3
4174	209381	H64146	4.7	20.0	9.0	1.0	0.0	1.4	1.3	2	1.3
4092	135999	R33468	15.7	18.0	9.0	3.0	0.0	1.4	1.1	2.4	1.2
12958	743441	AA609364	27.3	17.0	6.0	3.0	1.0	1.4	1.1	2.4	1.2
3318	307255	N93440	9.2	17.0	7.0	5.0	0.0	1.4	1.0	2.8	1.2
18700	361250	AA016292	3.5	21.0	9.0	0.0	0.0	1.4	1.6	2	1.2
2302	235173	H73014	49.8	18.0	9.0	3.0	0.0	1.4	1.7	1.8	1.2
11686	428124	AA002091	14.7	19.0	7.0	3.0	0.0	1.4	1.9	1.6	1.2
11433	60738	T40640	3.6	21.0	9.0	0.0	0.0	1.4	2.0	1.4	1.2
9855	50250	H17800	5.3	18.0	11.0	2.0	0.0	1.4	2.4	0.8	1.2
18628	814099	AA465368	9.2	20.0	7.0	2.0	0.0	1.4	1.9	2.2	1.1
854	66731	T64905	2.5	17.0	10.0	1.0	1.0	1.4	1.1	3.6	1.0
15726	786308	AA451863	9.8	12.0	10.0	6.0	1.0	1.4	3.6	0.6	0.9
9781	504431	AA151244	1.9	15.0	10.0	3.0	1.0	1.4	2.3	3.2	0.8
3666	207813	H59057	5.4	14.0	7.0	3.0	2.0	1.4	2.3	5.2	0.4
1472	770935	AA433877	116.1	15.0	10.0	3.0	1.0	1.4	1.1	1.4	1.4
18800	454469	AA677337	57.7	21.0	7.0	1.0	0.0	1.4	1.4	1.2	1.4
22757	868530	AA775028	7.5	19.0	10.0	1.0	0.0	1.4	1.6	1.0	2.0
504	198694	R95132	158.4	18.0	10.0	2.0	0.0	1.4	0.3	0.4	1.8
6490	743230	AA400234	72.4	15.0	10.0	5.0	0.0	1.4	0.3	0.4	1.8
3639	814526	AA459588	11.7	16.0	10.0	4.0	0.0	1.4	0.6	0	1.8
7196	71763	T51290	24.0	16.0	10.0	4.0	0.0	1.4	0.3	0.6	1.8
12218	773556	AA428182	212.7	21.0	8.0	0.0	0.0	1.4	0.3	0.8	1.8
2622	195132	R91215	94.4	18.0	10.0	2.0	0.0	1.4	0.4	0.6	1.8
21486	280592	N50458	9.0	19.0	8.0	2.0	0.0	1.4	0.7	0.4	1.7
19683	135627	R31567	14.6	20.0	8.0	1.0	0.0	1.4	0.3	1.2	1.7
10105	273652	N36994	115.3	20.0	8.0	1.0	0.0	1.4	0.6	0.8	1.7
12364	291062	W00376	112.1	19.0	8.0	2.0	0.0	1.4	0.9	0.4	1.7
11896	50782	H17024	183.5	19.0	10.0	1.0	0.0	1.4	0.6	1.2	1.6
1918	155201	R70361	116.4	18.0	10.0	2.0	0.0	1.4	0.7	1	1.6
5927	195753	R89083	154.5	19.0	8.0	2.0	0.0	1.4	0.7	1	1.6
11948	283058	N51291	38.4	19.0	10.0	1.0	0.0	1.4	0.7	1	1.6
2263	415948	W86376	132.2	18.0	10.0	2.0	0.0	1.4	1.0	0.6	1.6
14222	587333	AA132867	178.5	20.0	6.0	2.0	0.0	1.4	1.1	0.4	1.6
4922	296805	N70298	4.4	13.0	6.0	4.0	2.0	1.4	1.4	0	1.6
10167	809674	AA454689	96.8	18.0	8.0	3.0	0.0	1.4	1.0	0.8	1.6
4947	141684	R69645	2.9	20.0	8.0	1.0	0.0	1.4	1.3	0.4	1.6
6079	161988	H26221	86.0	18.0	10.0	2.0	0.0	1.4	0.4	1.8	1.5
3332	135450	R32751	98.8	17.0	8.0	4.0	0.0	1.4	0.7	1.4	1.5
11726	611586	AA176957	5.8	21.0	4.0	2.0	0.0	1.4	0.9	1.2	1.5
1418	110282	T71541	30.4	19.0	8.0	2.0	0.0	1.4	1.0	1	1.5
6133	246766	N53167	2.5	20.0	8.0	1.0	0.0	1.4	1.1	0.8	1.5
6092	782537	AA432049	5.2	20.0	6.0	2.0	0.0	1.4	1.1	0.8	1.5

Table 4

14773	526567	AA128407	4.0	14.0	11.0	3.0	1.0	1.4	1.6	0.4	1.5
1802	66423	R15715	53.2	18.0	8.0	3.0	0.0	1.4	0.7	1.8	1.4
11043	123085	R00046	39.7	17.0	12.0	2.0	0.0	1.4	0.7	2	1.4
1202	244189	N75691	13.5	18.0	10.0	2.0	0.0	1.4	1.9	0.6	1.4
9865	287745	N62244	19.2	17.0	10.0	3.0	0.0	1.4	2.3	0	1.4
13151	276712	N46621	5.4	19.0	8.0	2.0	0.0	1.4	1.9	0.8	1.3
12631	43679	H05939	3.1	17.0	8.0	4.0	0.0	1.4	2.1	0.4	1.3
19128	814341	AA459123	4.0	21.0	8.0	0.0	0.0	1.4	2.1	0.4	1.3
3279	123506	R00527	5.3	19.0	6.0	3.0	0.0	1.4	1.1	2	1.3
4049	247901	N77671	162.7	19.0	8.0	2.0	0.0	1.4	1.6	1.4	1.3
11047	838732	AA457543	62.7	19.0	6.0	3.0	0.0	1.4	1.1	2.4	1.2
18180	121573	T97723	25.4	20.0	10.0	0.0	0.0	1.4	1.4	2	1.2
2675	296797	N74086	28.6	19.0	10.0	1.0	0.0	1.4	1.7	1.8	1.2
339	111054	T83386	22.9	19.0	8.0	2.0	0.0	1.4	1.4	2.4	1.1
8012	71591	T48011	40.2	20.0	8.0	1.0	0.0	1.4	2.0	1.6	1.1
13794	788575	AA452877	9.2	17.0	5.0	3.0	1.0	1.4	1.1	3.4	1.0
11452	773573	AA429307	6.8	15.0	9.0	3.0	1.0	1.4	1.4	0.6	1.5
5201	67075	T70356	5.2	19.0	12.0	0.0	0.0	1.4	1.1	1.2	1.4
15477	565693	AA129668	6.5	20.0	8.0	1.0	0.0	1.4	1.1	1.2	1.4
8547	203008	H54263	45.3	20.0	10.0	0.0	0.0	1.4	1.3	1.2	1.4
5794	122274	T98782	42.1	20.0	10.0	0.0	0.0	1.4	1.4	1.2	1.4
14326	838230	AA458674	44.1	21.0	8.0	0.0	0.0	1.4	1.4	1.4	1.3
24352	1536991	AA933888	11.4	15.0	8.0	3.0	1.0	1.3	2.4	0.0	1.9
11348	52647	H29771	58.5	15.0	9.0	5.0	0.0	1.3	0.0	0.6	1.8
16863	1323448	AA873604	67.5	12.0	11.0	7.0	0.0	1.3	0.4	0.6	1.7
6144	140267	R66803	169.5	19.0	9.0	1.0	0.0	1.3	0.4	1	1.6
6456	20064	R44955	152.0	21.0	7.0	0.0	0.0	1.3	0.6	0.8	1.6
16415	42803	R60014	4.0	18.0	11.0	1.0	0.0	1.3	0.7	0.6	1.6
11139	195274	R92056	39.7	19.0	9.0	1.0	0.0	1.3	0.6	1	1.6
8635	262023	H98683	124.7	16.0	8.0	2.0	1.0	1.3	0.7	0.8	1.6
17405	258860	N40858	242.0	20.0	7.0	1.0	0.0	1.3	1.3	0	1.6
2633	198011	R96393	4.1	18.0	9.0	2.0	0.0	1.3	0.4	1.4	1.6
741	240674	H90294	49.5	21.0	7.0	0.0	0.0	1.3	0.4	1.4	1.6
4129	206849	R98107	26.2	19.0	9.0	1.0	0.0	1.3	0.7	1	1.6
201	306412	N92697	168.4	19.0	9.0	1.0	0.0	1.3	0.7	1	1.6
10568	51254	H18645	12.8	18.0	11.0	1.0	0.0	1.3	0.7	1.2	1.5
5090	786672	AA451891	3.9	19.0	9.0	1.0	0.0	1.3	1.0	0.8	1.5
97	124597	R02480	24.7	17.0	11.0	2.0	0.0	1.3	0.3	2	1.5
7312	289507	N59245	18.5	19.0	11.0	0.0	0.0	1.3	0.7	1.6	1.4
5839	809598	AA442984	37.3	14.0	9.0	6.0	0.0	1.3	1.9	0	1.4
1785	292207	N68163	75.0	12.0	10.0	5.0	1.0	1.3	0.7	2	1.4
21484	450058	AA703391	5.0	18.0	7.0	3.0	0.0	1.3	0.6	2.6	1.3
765	241355	H91265	55.8	20.0	9.0	0.0	0.0	1.3	1.3	1.6	1.3
1824	248504	N59650	2.4	21.0	7.0	0.0	0.0	1.3	1.3	1.8	1.2
8965	488054	AA053296	23.6	20.0	9.0	0.0	0.0	1.3	1.4	1.6	1.2
17792	296172	N74367	43.5	19.0	11.0	0.0	0.0	1.3	1.6	1.4	1.2
7557	135630	R31300	10.2	18.0	9.0	2.0	0.0	1.3	1.7	1.4	1.2
4882	66474	R16109	10.5	17.0	7.0	4.0	0.0	1.3	1.6	1.8	1.2
1369	202339	H53038	9.6	16.0	9.0	4.0	0.0	1.3	1.6	1.8	1.2
3320	142984	R71190	4.0	9.0	9.0	6.0	2.0	1.3	2.1	1	1.2
10951	148469	H12392	20.0	15.0	11.0	4.0	0.0	1.3	2.4	0.6	1.2
16885	823647	AA490582	9.6	11.0	8.0	7.0	1.0	1.3	2.9	0	1.2
412	233457	H78896	5.7	21.0	5.0	1.0	0.0	1.3	1.3	2.4	1.1
7662	510736	AA099748	8.3	18.0	11.0	1.0	0.0	1.3	1.6	2.2	1.1
350	296168	N74365	22.9	17.0	9.0	3.0	0.0	1.3	1.7	2	1.1
6683	490718	AA115761	3.3	14.0	5.0	3.0	2.0	1.3	3.4	0	1.0
2303	377587	AA055828	11.6	16.0	9.0	4.0	0.0	1.3	2.1	2.2	0.9

Table 4

8699	454672	AA677185	21.1	12.0	11.0	7.0	0.0	1.3	2.1	2.4	0.9
8144	306066	N91003	5.3	14.0	5.0	3.0	2.0	1.3	0.7	6	0.6
17785	592778	AA158211	3.4	19.0	9.0	1.0	0.0	1.3	1.0	1	1.5
18083	287721	N62231	218.9	20.0	7.0	1.0	0.0	1.3	1.1	0.8	1.5
8240	586796	AA133469	19.2	20.0	9.0	0.0	0.0	1.3	0.9	1.4	1.4
6000	196303	R92435	3.8	18.0	13.0	0.0	0.0	1.3	1.0	1.2	1.4
6010	206794	R98045	6.2	16.0	15.0	1.0	0.0	1.3	1.3	1.2	1.4
1113	198593	R94894	4.2	20.0	9.0	0.0	0.0	1.3	1.4	1.2	1.3
7708	262334	H99394	274.3	16.0	10.0	3.0	0.0	1.3	0.3	0.6	1.7
4180	268211	N36327	4.0	17.0	5.0	2.0	1.0	1.3	0.4	0.4	1.7
7364	271737	N43856	5.6	16.0	7.0	2.0	1.0	1.3	0.3	0.8	1.7
11884	33122	R44477	194.4	18.0	8.0	2.0	0.0	1.3	0.6	0.4	1.7
16131	254749	N25085	274.9	16.0	6.0	5.0	0.0	1.3	0.6	0.4	1.7
17881	41128	R59116	94.9	14.0	8.0	6.0	0.0	1.3	0.3	1	1.6
4921	200873	R98773	56.5	16.0	7.0	2.0	1.0	1.3	0.3	1	1.6
317	296149	W02628	111.2	17.0	10.0	2.0	0.0	1.3	0.4	1	1.6
7876	72426	T51592	149.3	19.0	8.0	1.0	0.0	1.3	0.6	0.8	1.6
4060	136114	R33116	4.8	20.0	6.0	1.0	0.0	1.3	0.6	0.8	1.6
10325	47361	H11005	94.8	21.0	6.0	0.0	0.0	1.3	0.6	1	1.6
13480	358872	W94620	58.2	20.0	8.0	0.0	0.0	1.3	0.7	0.8	1.6
14331	255651	N27637	259.1	17.0	10.0	2.0	0.0	1.3	1.0	0.4	1.6
3745	234419	H95342	1.6	13.0	7.0	5.0	1.0	1.3	0.3	1.6	1.5
5824	49509	H15574	18.4	16.0	7.0	2.0	1.0	1.3	0.6	1.2	1.5
2171	125799	R07646	54.8	17.0	8.0	3.0	0.0	1.3	0.7	1	1.5
16264	232912	H72643	74.7	19.0	8.0	1.0	0.0	1.3	0.9	0.8	1.5
5709	208984	H60689	100.2	19.0	10.0	0.0	0.0	1.3	1.0	0.6	1.5
18322	587595	AA133044	1432.7	14.0	7.0	4.0	1.0	1.3	1.1	0.4	1.5
11900	34388	R44265	1.7	18.0	8.0	2.0	0.0	1.3	0.6	1.6	1.4
1753	297155	N73909	36.9	18.0	8.0	2.0	0.0	1.3	0.7	2	1.3
4125	488019	AA054754	2.6	21.0	4.0	1.0	0.0	1.3	1.6	0.8	1.3
18670	703544	AA278589	13.9	21.0	4.0	1.0	0.0	1.3	1.6	0.8	1.3
10934	308412	W31338	3.1	23.0	2.0	0.0	0.0	1.3	1.1	1.6	1.3
289	200031	R97106	5.1	20.0	8.0	0.0	0.0	1.3	1.4	1.6	1.2
11801	755517	AA419088	8.1	19.0	8.0	1.0	0.0	1.3	1.1	2.2	1.2
6140	66656	T67224	9.3	19.0	10.0	0.0	0.0	1.3	1.3	2	1.2
6915	281870	N51838	2.0	19.0	10.0	0.0	0.0	1.3	1.7	1.6	1.1
10517	810230	AA464694	12.2	18.0	8.0	2.0	0.0	1.3	1.7	1.6	1.1
3024	810754	AA457728	21.2	15.0	12.0	3.0	0.0	1.3	1.4	2.2	1.1
4908	284701	N64840	3.3	20.0	6.0	1.0	0.0	1.3	2.1	1.2	1.1
6168	272548	N35892	8.4	16.0	10.0	3.0	0.0	1.3	1.3	2.6	1.0
21346	1474684	AA857015	13.2	17.0	10.0	2.0	0.0	1.3	1.3	2.6	1.0
6127	195370	R88901	8.6	19.0	8.0	1.0	0.0	1.3	1.4	2.6	1.0
1049	126638	R06894	7.7	16.0	8.0	4.0	0.0	1.3	2.0	2	1.0
9790	810205	AA464518	4.4	19.0	3.0	1.0	1.0	1.3	1.1	4	0.8
7582	291985	W02106	23.0	10.0	8.0	5.0	2.0	1.3	3.6	3	0.3
5228	202740	H53572	35.5	12.0	7.0	6.0	1.0	1.3	0.6	1.4	1.5
9587	429333	AA007502	34.7	19.0	8.0	1.0	0.0	1.3	1.0	0.8	1.5
16243	626908	AA191404	81.1	18.0	10.0	1.0	0.0	1.3	1.3	0.4	1.5
13537	591457	AA159893	3.9	19.0	6.0	2.0	0.0	1.3	0.7	1.4	1.4
16322	417263	W87781	10.8	19.0	8.0	1.0	0.0	1.3	0.9	1.2	1.4
2255	247582	N54244	204.0	18.0	6.0	3.0	0.0	1.3	1.0	1	1.4
18140	415023	W93100	6.3	14.0	11.0	2.0	1.0	1.3	1.0	1.2	1.4
5710	126321	R06424	2.5	14.0	12.0	4.0	0.0	1.3	1.1	1	1.4
11538	126575	R06873	38.3	20.0	8.0	0.0	0.0	1.3	1.3	1	1.4
17877	262327	H99398	127.1	19.0	10.0	0.0	0.0	1.3	1.4	0.8	1.4
18355	28137	R40502	6.5	19.0	8.0	1.0	0.0	1.3	1.1	1.4	1.3
26747	1486118	AA936779	16.7	16.0	6.0	2.0	1.0	1.3	1.0	1.3	1.9

Table 4

9597	46506	H09200	12.5	15.0	9.0	4.0	0.0	1.3	0.0	0.4	1.8
18330	626842	AA191424	14.2	13.0	10.0	3.0	1.0	1.3	0.0	0.4	1.8
15865	612613	AA182707	181.2	16.0	7.0	4.0	0.0	1.3	0.6	0	1.7
2938	129331	R12267	22.8	19.0	7.0	1.0	0.0	1.3	0.4	0.6	1.6
4557	130027	R19406	149.1	18.0	9.0	1.0	0.0	1.3	0.4	0.6	1.6
3158	240099	H82419	65.3	20.0	7.0	0.0	0.0	1.3	0.4	0.8	1.6
14684	272552	N35894	341.9	20.0	5.0	1.0	0.0	1.3	0.4	0.8	1.6
25538	447520	AA702248	7.4	10.0	7.0	5.0	2.0	1.3	0.4	3.8	1.6
6071	203474	H55784	158.1	18.0	9.0	1.0	0.0	1.3	0.4	1	1.6
2666	293306	N64716	48.4	19.0	7.0	1.0	0.0	1.3	0.4	1	1.6
3049	212712	H69653	73.1	15.0	11.0	3.0	0.0	1.3	0.7	0.6	1.6
1883	232586	H74179	59.2	18.0	9.0	1.0	0.0	1.3	0.7	0.6	1.6
689	207665	H62267	51.8	20.0	7.0	0.0	0.0	1.3	0.4	1.2	1.5
872	305606	N90246	2.6	15.0	6.0	3.0	1.0	1.3	0.9	0.6	1.5
14825	265645	N25338	342.9	17.0	9.0	2.0	0.0	1.3	1.0	0.4	1.5
13239	839855	AA489840	290.9	18.0	9.0	1.0	0.0	1.3	1.0	0.4	1.5
27679	435730	AA700769	7.2	19.0	7.0	1.0	0.0	1.3	2.0	2.5	1.4
17191	898276	AA598970	9.2	14.0	11.0	4.0	0.0	1.3	1.9	0	1.4
11617	810050	AA455286	35.4	18.0	9.0	1.0	0.0	1.3	0.7	1.8	1.3
10210	120600	T95215	8.5	14.0	5.0	2.0	2.0	1.3	2.0	0	1.3
12000	417075	W87823	4.6	21.0	5.0	0.0	0.0	1.3	0.9	2	1.2
1098	245894	N55359	1.8	16.0	13.0	1.0	0.0	1.3	1.1	1.6	1.2
11163	272706	N32295	6.8	14.0	9.0	5.0	0.0	1.3	1.1	1.6	1.2
6021	66815	T64956	18.3	19.0	5.0	2.0	0.0	1.3	1.7	0.8	1.2
287	294255	N70701	101.3	18.0	9.0	1.0	0.0	1.3	1.6	1.2	1.2
13931	430237	AA010224	6.2	20.0	7.0	0.0	0.0	1.3	1.6	1.2	1.2
21563	138527	R63313	11.2	19.0	7.0	1.0	0.0	1.3	1.1	2	1.2
1108	287843	N62328	3.9	22.0	3.0	0.0	0.0	1.3	1.3	1.8	1.2
4943	295604	N66845	19.8	16.0	9.0	3.0	0.0	1.3	1.4	1.6	1.2
17712	841207	AA486731	7.6	15.0	8.0	2.0	1.0	1.3	1.7	1.4	1.1
13606	796369	AA456148	30.2	18.0	9.0	1.0	0.0	1.3	2.0	1	1.1
14969	767176	AA424562	11.5	16.0	7.0	4.0	0.0	1.3	2.4	0.4	1.1
14005	511633	AA127167	14.1	17.0	4.0	2.0	1.0	1.3	2.3	0.8	1.1
9792	289496	N63988	10.2	15.0	6.0	3.0	1.0	1.3	2.6	0.4	1.1
12051	324323	W47552	12.8	17.0	9.0	2.0	0.0	1.3	1.9	1.6	1.0
7541	140574	R66139	4.6	16.0	8.0	1.0	1.0	1.3	2.9	0.6	1.0
5690	295590	N72574	48.6	17.0	9.0	2.0	0.0	1.3	0.7	1	1.5
1106	245936	N55430	2.8	21.0	3.0	1.0	0.0	1.3	0.9	0.8	1.5
13014	31237	R42836	82.4	19.0	9.0	0.0	0.0	1.3	1.0	0.6	1.5
21750	825404	AA504253	12.4	15.0	8.0	2.0	1.0	1.3	1.0	0.6	1.5
17958	787876	AA452156	123.0	17.0	11.0	1.0	0.0	1.3	1.1	0.4	1.5
3301	120544	T95503	2.6	22.0	3.0	0.0	0.0	1.3	0.9	1.4	1.4
6184	261443	H98988	83.0	19.0	7.0	1.0	0.0	1.3	0.9	1.4	1.4
12202	25132	T79911	35.9	19.0	9.0	0.0	0.0	1.3	1.0	1.2	1.4
12196	67715	T49609	37.9	16.0	11.0	2.0	0.0	1.3	1.0	1.2	1.4
17032	243024	H95669	36.0	20.0	5.0	1.0	0.0	1.3	1.3	0.8	1.4
9340	243172	H94474	31.7	18.0	9.0	1.0	0.0	1.3	1.0	1.4	1.3
12715	281970	N53328	151.3	20.0	7.0	0.0	0.0	1.3	1.0	1.4	1.3
7858	259017	N32811	86.8	18.0	7.0	2.0	0.0	1.3	1.3	1	1.3
14167	48661	H14986	29.5	20.0	7.0	0.0	0.0	1.3	1.4	0.8	1.3
6238	112456	T90971	4.1	21.0	5.0	0.0	0.0	1.3	1.3	1.4	1.2
22268	461509	AA705077	4.2	20.0	7.0	0.0	0.0	1.3	1.3	1.4	1.2
18323	35058	R45192	14.7	12.0	7.0	5.0	1.0	1.2	0.0	0.4	1.8
5108	233365	H79888	147.0	18.0	8.0	1.0	0.0	1.2	0.3	0	1.8
4927	240480	H90746	104.0	17.0	8.0	2.0	0.0	1.2	0.3	0.4	1.7
17530	842769	AA486195	122.0	16.0	8.0	3.0	0.0	1.2	0.6	0	1.7
9514	511091	AA088359	57.0	14.0	7.0	3.0	1.0	1.2	0.4	0.4	1.6

Table 4

8191	811612	AA455013	9.3	14.0	9.0	2.0	1.0	1.2	0.7	0	1.6
2217	229651	H66441	62.1	17.0	8.0	2.0	0.0	1.2	0.3	0.8	1.6
5365	243659	N49902	22.6	19.0	8.0	0.0	0.0	1.2	0.3	0.8	1.6
1862	123448	R00689	207.5	17.0	8.0	2.0	0.0	1.2	0.4	0.6	1.6
2897	292612	N90368	164.6	17.0	10.0	1.0	0.0	1.2	0.4	0.6	1.6
4442	293417	N63691	148.1	18.0	8.0	1.0	0.0	1.2	0.4	0.6	1.6
12276	23116	T75274	103.8	17.0	6.0	3.0	0.0	1.2	0.6	0.4	1.6
10368	842879	AA486410	125.8	17.0	8.0	2.0	0.0	1.2	0.6	0.4	1.6
6058	121611	T97590	95.5	17.0	8.0	2.0	0.0	1.2	0.4	0.8	1.6
3374	233214	H75763	131.7	18.0	8.0	1.0	0.0	1.2	0.4	1	1.5
706	292812	N69207	114.7	18.0	8.0	1.0	0.0	1.2	0.4	1	1.5
1005	196148	R92353	207.5	17.0	6.0	3.0	0.0	1.2	0.7	0.6	1.5
13688	753278	AA411655	45.6	18.0	10.0	0.0	0.0	1.2	0.7	0.6	1.5
677	240050	H82232	119.4	18.0	10.0	0.0	0.0	1.2	0.4	1.6	1.4
22523	433310	AA699724	12.8	14.0	4.0	2.0	2.0	1.2	1.4	3.3	1.4
4930	296901	W04272	7.1	16.0	10.0	2.0	0.0	1.2	0.4	2	1.3
2601	197856	R96259	32.7	17.0	8.0	2.0	0.0	1.2	0.7	1.6	1.3
12964	1409509	AA868929	10.8	13.0	7.0	4.0	1.0	1.2	0.7	1.6	1.3
11032	21922	T72535	10.8	17.0	10.0	1.0	0.0	1.2	0.6	2	1.3
3180	796984	AA463492	6.1	20.0	6.0	0.0	0.0	1.2	1.7	0.4	1.3
14047	796448	AA459983	5.3	19.0	6.0	1.0	0.0	1.2	1.9	0.4	1.2
1319	503617	AA131506	6.1	11.0	6.0	4.0	2.0	1.2	2.1	0	1.2
21599	154996	AI732324	13.5	19.0	4.0	2.0	0.0	1.2	0.9	2	1.2
2529	211878	H68434	14.9	17.0	10.0	1.0	0.0	1.2	0.9	2	1.2
1874	246824	N59090	5.6	17.0	6.0	3.0	0.0	1.2	0.9	2	1.2
5725	210548	H65051	33.0	15.0	10.0	3.0	0.0	1.2	1.1	1.6	1.2
2678	243428	N33593	31.8	15.0	10.0	3.0	0.0	1.2	1.1	1.6	1.2
17000	243731	N45156	45.3	17.0	10.0	1.0	0.0	1.2	1.6	1	1.2
6023	136317	R34121	38.8	13.0	10.0	5.0	0.0	1.2	0.7	2.4	1.2
5111	80500	T64625	253.2	12.0	7.0	5.0	1.0	1.2	2.1	0.4	1.2
2526	125741	R07619	4.7	19.0	8.0	0.0	0.0	1.2	1.1	2	1.1
2505	141854	R70598	60.3	13.0	9.0	3.0	1.0	1.2	1.1	2	1.1
2499	120681	T95657	48.9	17.0	8.0	2.0	0.0	1.2	1.3	1.8	1.1
10118	241699	H91641	16.8	18.0	10.0	0.0	0.0	1.2	1.4	1.6	1.1
90	210575	H65065	17.9	20.0	6.0	0.0	0.0	1.2	1.6	1.4	1.1
13487	289742	N62969	18.2	19.0	8.0	0.0	0.0	1.2	1.6	1.4	1.1
1402	274932	R85439	4.2	20.0	4.0	1.0	0.0	1.2	0.9	2.6	1.1
17269	811757	AA463449	11.4	15.0	9.0	1.0	1.0	1.2	0.9	2.6	1.1
22092	221976	H84972	15.5	20.0	6.0	0.0	0.0	1.2	1.3	2	1.1
10418	126739	R07128	11.6	13.0	9.0	3.0	1.0	1.2	1.4	1.8	1.1
5371	247230	N57927	3.3	14.0	7.0	3.0	1.0	1.2	2.1	0.8	1.1
1772	134719	R28287	7.5	14.0	7.0	3.0	1.0	1.2	0.7	3	1.0
379	201517	R97031	35.4	17.0	8.0	2.0	0.0	1.2	1.3	2.2	1.0
6095	417305	W90001	14.6	18.0	8.0	1.0	0.0	1.2	1.7	1.6	1.0
2449	195712	R89492	12.9	19.0	6.0	1.0	0.0	1.2	1.4	2.4	1.0
4803	214165	H77772	49.7	14.0	10.0	4.0	0.0	1.2	1.4	2.4	1.0
1068	291459	W03071	11.2	17.0	10.0	1.0	0.0	1.2	1.7	2.2	0.9
4786	754436	AA410206	12.8	8.0	8.0	6.0	2.0	1.2	2.9	0.6	0.9
9974	949988	AA600214	159.3	14.0	9.0	2.0	1.0	1.2	2.9	0.6	0.9
18682	809421	AA459909	31.9	13.0	6.0	2.0	2.0	1.2	3.1	0.8	0.8
12140	25984	R12516	2.0	10.0	6.0	5.0	2.0	1.2	1.4	6.4	0.2
13160	233246	H75776	291.4	18.0	8.0	1.0	0.0	1.2	1.0	0.4	1.5
6721	323500	W44316	322.8	19.0	6.0	1.0	0.0	1.2	1.0	0.4	1.5
15468	950098	AA598402	124.2	17.0	8.0	2.0	0.0	1.2	1.0	0.4	1.5
15292	1091543	AA599311	393.6	17.0	8.0	2.0	0.0	1.2	1.3	0	1.5
1837	202492	H53118	33.0	20.0	6.0	0.0	0.0	1.2	0.4	1.4	1.4
6648	854444	AA669055	25.2	13.0	10.0	5.0	0.0	1.2	1.4	0	1.4



Table 4

7937	194236	H51719	106.0	20.0	6.0	0.0	0.0	1.2	0.6	1.4	1.4
21571	138693	R63497	10.8	14.0	9.0	2.0	1.0	1.2	0.9	1	1.4
5971	130004	R19395	4.6	20.0	6.0	0.0	0.0	1.2	1.0	0.8	1.4
6034	120097	T95054	3.4	9.0	8.0	5.0	2.0	1.2	1.1	0.6	1.4
5983	134235	R31154	69.8	13.0	10.0	5.0	0.0	1.2	0.7	1.4	1.4
5305	233446	H77715	31.1	14.0	7.0	3.0	1.0	1.2	0.7	1.4	1.4
4824	141298	R64408	40.4	17.0	3.0	2.0	1.0	1.2	0.9	1.2	1.4
8250	291241	N72210	43.1	18.0	6.0	2.0	0.0	1.2	1.1	0.8	1.4
5571	121977	T97780	2.6	17.0	12.0	0.0	0.0	1.2	1.0	1.2	1.3
12439	782231	AA431073	8.3	18.0	8.0	1.0	0.0	1.2	1.3	0.8	1.3
11309	201172	R98534	17.5	19.0	6.0	1.0	0.0	1.2	1.3	1	1.3
3390	230341	H80860	17.5	18.0	8.0	1.0	0.0	1.2	1.3	1.2	1.2
19086	278644	N66205	3.2	12.0	6.0	5.0	1.0	1.2	0.3	0	1.7
10297	40150	R53980	47.3	11.0	8.0	5.0	1.0	1.2	0.0	0.6	1.7
7092	240678	H90948	127.2	13.0	6.0	4.0	1.0	1.2	0.0	0.6	1.7
9167	40965	R56234	154.7	16.0	9.0	2.0	0.0	1.2	0.3	0.4	1.6
9556	69360	T58648	149.8	17.0	9.0	1.0	0.0	1.2	0.3	0.4	1.6
564	838359	AA457178	234.8	17.0	9.0	1.0	0.0	1.2	0.4	0.6	1.6
5722	296559	N73842	89.9	18.0	7.0	1.0	0.0	1.2	0.3	1	1.5
1401	294916	N71457	80.2	19.0	7.0	0.0	0.0	1.2	0.4	0.8	1.5
648	199641	R96525	16.9	6.0	6.0	6.0	3.0	1.2	0.0	2	1.4
12322	510273	AA053165	163.3	11.0	8.0	5.0	1.0	1.2	0.3	1.6	1.4
2209	293178	N63864	66.4	19.0	7.0	0.0	0.0	1.2	0.4	1.6	1.4
10584	46829	H10047	16.4	18.0	5.0	2.0	0.0	1.2	0.6	1.8	1.3
3919	119914	T94293	61.2	15.0	9.0	3.0	0.0	1.2	0.7	1.6	1.3
2199	198190	R92412	46.3	14.0	9.0	4.0	0.0	1.2	0.7	1.8	1.2
5677	207881	H60317	61.1	14.0	6.0	3.0	1.0	1.2	0.7	1.8	1.2
4150	132789	R27412	5.5	15.0	7.0	4.0	0.0	1.2	0.9	1.6	1.2
2543	122899	R00150	22.9	15.0	9.0	3.0	0.0	1.2	1.0	1.6	1.2
6044	295741	W02483	2.7	19.0	5.0	1.0	0.0	1.2	1.0	1.6	1.2
4032	235155	H79353	7.9	14.0	11.0	3.0	0.0	1.2	2.1	0	1.2
3397	203805	H56424	17.3	16.0	11.0	1.0	0.0	1.2	1.1	1.6	1.2
717	240843	H90134	4.6	20.0	5.0	0.0	0.0	1.2	1.6	1	1.2
6030	115230	T88437	2.2	15.0	13.0	1.0	0.0	1.2	1.6	1.2	1.1
4891	121954	T97764	44.5	15.0	7.0	4.0	0.0	1.2	1.0	2.2	1.1
989	195458	R92147	32.3	16.0	7.0	3.0	0.0	1.2	1.3	1.8	1.1
265	66753	T64921	32.3	18.0	9.0	0.0	0.0	1.2	1.4	1.6	1.1
8189	487317	AA043799	4.7	18.0	9.0	0.0	0.0	1.2	1.9	1	1.1
1789	120124	T95160	14.2	14.0	9.0	4.0	0.0	1.2	1.0	2.4	1.0
17768	296889	N74247	42.6	17.0	9.0	1.0	0.0	1.2	1.9	1.2	1.0
6732	33585	R18982	2.0	18.0	7.0	1.0	0.0	1.2	2.3	0.8	1.0
6829	51599	H19371	2.4	14.0	6.0	3.0	1.0	1.2	2.4	0.6	1.0
18796	451511	AA707336	3.5	15.0	6.0	2.0	1.0	1.2	1.1	3	0.9
7751	288741	N59219	6.2	17.0	7.0	2.0	0.0	1.2	3.0	0.6	0.8
21316	192295	H39024	6.2	11.0	7.0	3.0	2.0	1.2	3.6	0.6	0.7
17220	245979	N76836	6.6	12.0	8.0	4.0	1.0	1.2	1.4	3.8	0.6
6063	307314	N95217	234.1	18.0	9.0	0.0	0.0	1.2	0.4	1	1.5
8216	855521	AA664179	111.0	9.0	7.0	5.0	2.0	1.2	0.4	1	1.5
2161	276286	R94591	98.0	15.0	9.0	3.0	0.0	1.2	0.7	0.6	1.5
10553	198311	R94490	30.1	19.0	3.0	2.0	0.0	1.2	0.9	0.4	1.5
2962	246116	N72800	12.2	15.0	11.0	2.0	0.0	1.2	1.1	0	1.5
16745	280129	N47002	20.6	20.0	5.0	0.0	0.0	1.2	0.6	1	1.4
1174	154015	R48903	146.0	20.0	5.0	0.0	0.0	1.2	0.7	0.8	1.4
13560	564567	AA127395	107.7	18.0	9.0	0.0	0.0	1.2	0.9	0.6	1.4
9312	375827	AA039851	1.6	14.0	6.0	3.0	1.0	1.2	0.4	1.4	1.4
14813	127192	R08260	36.0	20.0	5.0	0.0	0.0	1.2	0.7	1	1.4
3848	243675	N49914	115.6	16.0	9.0	2.0	0.0	1.2	0.7	1	1.4

Table 4

18516	160532	H21976	3.8	19.0	5.0	1.0	0.0	1.2	0.9	0.8	1.4
18418	30428	R42061	6.3	14.0	8.0	2.0	1.0	1.2	1.0	0.6	1.4
17968	1391644	AA789301	3.5	16.0	7.0	3.0	0.0	1.2	1.0	0.6	1.4
6968	271229	N44560	7.4	21.0	3.0	0.0	0.0	1.2	0.6	1.4	1.4
4419	127729	R09510	2.5	17.0	9.0	1.0	0.0	1.2	0.9	1	1.4
13580	134163	R30960	7.4	14.0	10.0	1.0	1.0	1.2	1.0	0.8	1.4
4567	280286	N50274	6.3	20.0	5.0	0.0	0.0	1.2	1.1	0.6	1.4
5718	275173	R85819	3.3	21.0	3.0	0.0	0.0	1.2	0.9	1.2	1.3
8478	418350	W92772	6.0	17.0	7.0	2.0	0.0	1.2	0.9	1.2	1.3
8864	429011	AA004719	81.5	18.0	9.0	0.0	0.0	1.2	0.9	1.2	1.3
9515	32186	R42671	34.5	20.0	5.0	0.0	0.0	1.2	1.0	1.2	1.3
19776	685019	AA252469	11.9	17.0	7.0	2.0	0.0	1.2	1.0	1.2	1.3
18696	221928	H85528	46.5	19.0	7.0	0.0	0.0	1.2	1.1	1	1.3
5672	297043	N70417	92.2	18.0	7.0	1.0	0.0	1.2	1.1	1	1.3
5680	415741	W84733	2.1	15.0	13.0	1.0	0.0	1.2	1.1	1	1.3
13247	839894	AA490048	19.5	19.0	7.0	0.0	0.0	1.2	1.3	0.8	1.3
5703	159725	H23963	6.2	17.0	9.0	1.0	0.0	1.2	1.3	1	1.2
5884	209518	H65261	2.3	19.0	7.0	0.0	0.0	1.2	1.1	1.4	1.2
1777	247925	N58318	2.8	21.0	3.0	0.0	0.0	1.2	1.1	1.4	1.2
2515	120695	T95804	2.9	17.0	11.0	0.0	0.0	1.2	1.3	1.2	1.2
341	202066	H48793	2.3	16.0	13.0	0.0	0.0	1.2	1.3	1.2	1.2
18851	431646	AA676441	19.9	17.0	9.0	1.0	0.0	1.2	1.4	1	1.2
24460	743774	AA634300	19.6	12.0	10.0	5.0	0.0	1.2	0.0	1.3	2.1
17828	124252	R02439	19.8	8.0	5.0	4.0	3.0	1.2	0.0	0	1.8
8208	1035889	AA629189	4.0	15.0	5.0	2.0	1.0	1.2	0.9	0	1.5
10976	49719	H28997	2.9	18.0	6.0	1.0	0.0	1.2	0.4	1.6	1.3
3649	122345	T99192	2.2	15.0	8.0	3.0	0.0	1.2	0.4	1.6	1.3
1078	296334	W03052	26.3	20.0	4.0	0.0	0.0	1.2	0.4	1.6	1.3
6525	47580	H11718	81.2	16.0	8.0	2.0	0.0	1.2	1.6	0.4	1.2
5509	366511	AA026720	43.7	15.0	10.0	2.0	0.0	1.2	0.9	1.6	1.2
1892	143790	R75943	11.7	14.0	10.0	3.0	0.0	1.2	0.7	2	1.2
2971	127409	R08761	23.8	14.0	8.0	4.0	0.0	1.2	0.7	2.2	1.1
5230	121661	T97616	11.9	16.0	8.0	2.0	0.0	1.2	0.9	2	1.1
3657	275612	R93354	4.6	18.0	4.0	2.0	0.0	1.2	0.9	2	1.1
21394	687054	AA258944	3.9	15.0	8.0	3.0	0.0	1.2	1.1	1.6	1.1
3902	167280	R90784	3.6	16.0	10.0	1.0	0.0	1.2	1.7	1	1.1
19830	824508	AA490519	3.9	19.0	6.0	0.0	0.0	1.2	1.7	1	1.1
8684	68818	T53431	12.5	12.0	7.0	4.0	1.0	1.2	0.7	2.6	1.0
8103	194156	H51050	38.9	18.0	8.0	0.0	0.0	1.2	1.6	1.4	1.0
16223	279703	N49005	5.4	18.0	4.0	2.0	0.0	1.2	1.1	2.2	1.0
999	122359	T98846	6.3	19.0	4.0	1.0	0.0	1.2	1.3	2	1.0
161	813678	AA453742	7.3	14.0	5.0	3.0	1.0	1.2	2.7	0	1.0
17659	27711	R40025	34.8	18.0	8.0	0.0	0.0	1.2	1.4	2	1.0
11038	741958	AA402891	3.7	18.0	6.0	1.0	0.0	1.2	1.4	2	1.0
12038	123246	R00265	37.3	18.0	6.0	1.0	0.0	1.2	1.9	1.8	0.9
5032	809464	AA443093	4.7	11.0	6.0	3.0	2.0	1.2	1.9	2	0.8
1367	128617	R16779	15.5	18.0	6.0	1.0	0.0	1.2	0.4	0.8	1.5
18529	395459	AA757455	138.9	18.0	6.0	1.0	0.0	1.2	0.6	0.6	1.5
1406	139354	R63735	18.6	15.0	8.0	3.0	0.0	1.2	0.7	0.4	1.5
10953	487988	AA047478	5.2	15.0	8.0	3.0	0.0	1.2	0.7	0.4	1.5
14620	843251	AA488646	119.4	16.0	8.0	2.0	0.0	1.2	0.7	0.4	1.5
12966	30580	R42182	128.6	17.0	10.0	0.0	0.0	1.2	1.0	0	1.5
6244	229666	H68542	36.1	14.0	8.0	4.0	0.0	1.2	1.0	0	1.5
14164	1412245	AA844831	5.0	15.0	5.0	2.0	1.0	1.2	1.0	0	1.5
16868	172751	H19686	4.8	14.0	9.0	1.0	1.0	1.2	0.4	1	1.4
3295	211024	H65775	34.7	16.0	8.0	2.0	0.0	1.2	0.4	1	1.4
6018	243770	N39325	111.6	17.0	8.0	1.0	0.0	1.2	0.4	1	1.4

Table 4

2634	293421	N92136	66.6	16.0	10.0	1.0	0.0	1.2	0.4	1	1.4
236	138737	R63623	9.3	15.0	5.0	2.0	1.0	1.2	0.6	0.8	1.4
596	141106	R66219	27.7	18.0	6.0	1.0	0.0	1.2	0.3	1.4	1.4
1869	202703	H53553	15.4	18.0	8.0	0.0	0.0	1.2	0.3	1.4	1.4
2637	203287	H54720	25.1	15.0	10.0	2.0	0.0	1.2	0.4	1.2	1.4
7867	201071	R99847	141.4	18.0	4.0	2.0	0.0	1.2	0.6	1	1.4
18234	795325	AA454177	678.8	16.0	8.0	2.0	0.0	1.2	1.0	0.4	1.4
3691	127514	R08866	52.6	17.0	8.0	1.0	0.0	1.2	0.4	1.4	1.4
3426	294167	N68607	21.6	18.0	6.0	1.0	0.0	1.2	0.4	1.4	1.4
6626	809718	AA455478	14.2	12.0	7.0	4.0	1.0	1.2	0.4	1.4	1.4
12996	1160723	AA877845	23.5	15.0	8.0	3.0	0.0	1.2	0.6	1.2	1.4
21944	451397	AA707171	6.6	16.0	8.0	2.0	0.0	1.2	0.9	0.8	1.4
4561	293990	N95656	90.9	16.0	8.0	2.0	0.0	1.2	1.0	0.6	1.4
6645	429927	AA034058	1.9	14.0	9.0	1.0	1.0	1.2	1.0	0.6	1.4
18235	502173	AA129736	16.2	15.0	7.0	1.0	1.0	1.2	1.4	0	1.4
7319	278171	N94856	48.5	20.0	4.0	0.0	0.0	1.2	0.9	1	1.3
16910	839882	AA489889	10.9	15.0	8.0	3.0	0.0	1.2	1.0	0.8	1.3
1792	240938	H90990	3.8	17.0	6.0	2.0	0.0	1.2	0.7	1.4	1.3
11928	292697	N80474	7.9	19.0	6.0	0.0	0.0	1.2	0.7	1.4	1.3
7804	293097	N91629	47.5	16.0	6.0	3.0	0.0	1.2	0.7	1.4	1.3
7068	208171	H60625	2.3	17.0	10.0	0.0	0.0	1.2	1.0	1	1.3
8605	325169	W48582	7.8	18.0	4.0	2.0	0.0	1.2	1.0	1	1.3
13194	418113	W90105	28.0	18.0	8.0	0.0	0.0	1.2	1.0	1	1.3
14729	510397	AI733754	30.5	18.0	8.0	0.0	0.0	1.2	1.0	1	1.3
17849	611953	AA180059	208.2	18.0	8.0	0.0	0.0	1.2	1.0	1	1.3
20036	449043	AA777410	6.3	19.0	4.0	1.0	0.0	1.2	1.1	0.8	1.3
1383	322786	W39609	3.5	16.0	10.0	1.0	0.0	1.2	0.9	1.4	1.2
10537	376043	AA040265	2.8	17.0	3.0	1.0	1.0	1.2	1.0	1.2	1.2
17780	193476	H47208	92.1	17.0	10.0	0.0	0.0	1.2	1.1	1	1.2
325	201902	H48537	15.0	19.0	6.0	0.0	0.0	1.2	1.3	0.8	1.2
6931	133860	R27975	9.2	19.0	6.0	0.0	0.0	1.2	1.3	1.2	1.2
12059	204536	H58591	119.9	18.0	6.0	1.0	0.0	1.2	1.3	1.2	1.2
17816	239580	H81365	119.7	20.0	4.0	0.0	0.0	1.2	1.3	1.2	1.2
1809	208769	H61036	25.7	16.0	8.0	2.0	0.0	1.2	1.4	1.4	1.1
27678	453589	AA679565	10.5	15.0	7.0	3.0	0.0	1.2	1.4	0.8	1.7
10899	279999	N57577	94.4	15.0	9.0	2.0	0.0	1.2	0.3	0.4	1.6
12584	280252	N49204	48.8	14.0	7.0	4.0	0.0	1.2	0.6	0	1.6
8819	810239	AA464709	62.4	17.0	5.0	2.0	0.0	1.2	0.6	0	1.6
8776	50593	H17625	184.1	16.0	9.0	1.0	0.0	1.2	0.3	0.6	1.5
7771	291059	N72116	158.1	17.0	5.0	2.0	0.0	1.2	0.3	0.6	1.5
13920	320588	W31566	277.8	18.0	7.0	0.0	0.0	1.2	0.4	0.4	1.5
9884	72003	T52406	2.4	15.0	9.0	2.0	0.0	1.2	0.4	1.8	1.2
21259	432668	AA700553	22.4	15.0	7.0	3.0	0.0	1.2	0.4	2	1.2
2997	245401	N55008	8.7	16.0	7.0	2.0	0.0	1.2	0.6	1.8	1.2
17427	298766	W04744	5.8	16.0	7.0	2.0	0.0	1.2	1.6	0.6	1.2
6191	357285	W93682	4.6	16.0	2.0	2.0	1.0	1.2	1.6	0.8	1.1
5373	195487	R92163	29.4	17.0	9.0	0.0	0.0	1.2	1.1	1.6	1.1
12872	753028	AA436503	6.0	15.0	5.0	4.0	0.0	1.2	1.6	1	1.1
18051	289816	N62178	88.4	18.0	7.0	0.0	0.0	1.2	1.6	1.2	1.0
21595	140018	R63971	4.7	18.0	7.0	0.0	0.0	1.2	1.7	1	1.0
10897	304886	N92502	17.1	15.0	9.0	2.0	0.0	1.2	0.9	2.4	1.0
627	126465	R06610	7.6	18.0	7.0	0.0	0.0	1.2	1.4	1.6	1.0
2824	131365	R22982	22.9	17.0	9.0	0.0	0.0	1.2	1.4	1.6	1.0
9734	811069	AA485454	11.2	17.0	7.0	1.0	0.0	1.2	1.6	1.4	1.0
48	770192	AA434102	9.4	15.0	9.0	2.0	0.0	1.2	2.3	0.4	1.0
1980	234011	H66158	18.3	10.0	8.0	5.0	1.0	1.2	2.6	0	1.0
17375	624414	AA181207	88.0	18.0	7.0	0.0	0.0	1.2	1.4	2	0.9

Table 4

1769	213527	H70143	22.4	14.0	9.0	3.0	0.0	1.2	1.4	2.4	0.8
11017	280697	N47442	8.5	18.0	5.0	1.0	0.0	1.2	1.4	2.6	0.8
3556	841278	AA486836	14.6	14.0	6.0	2.0	1.0	1.2	2.4	1.4	0.8
9960	25384	R12808	42.6	12.0	9.0	5.0	0.0	1.2	1.9	2.8	0.6
7367	201217	R99293	121.5	17.0	9.0	0.0	0.0	1.2	0.3	0.8	1.5
2654	201203	R99287	185.2	15.0	9.0	2.0	0.0	1.2	0.4	0.6	1.5
1606	223098	H84113	58.9	15.0	9.0	2.0	0.0	1.2	0.4	0.6	1.5
5759	233645	H79007	86.1	17.0	7.0	1.0	0.0	1.2	0.4	0.6	1.5
1121	292568	N68486	90.8	16.0	9.0	1.0	0.0	1.2	0.4	0.6	1.5
10277	46422	09288::H09289	132.3	17.0	9.0	0.0	0.0	1.2	0.3	1	1.4
3033	233399	H77696	60.7	17.0	5.0	2.0	0.0	1.2	0.4	0.8	1.4
5349	243656	N49895	207.4	16.0	7.0	2.0	0.0	1.2	0.4	0.8	1.4
1227	245970	N52293	125.7	16.0	9.0	1.0	0.0	1.2	0.7	0.4	1.4
12387	298236	N70837	3.9	16.0	7.0	2.0	0.0	1.2	1.0	0	1.4
2908	156270	R72661	32.6	17.0	9.0	0.0	0.0	1.2	0.4	1	1.4
3450	293358	N68821	31.4	16.0	9.0	1.0	0.0	1.2	0.4	1	1.4
5738	296602	N73861	71.4	18.0	5.0	1.0	0.0	1.2	0.4	1	1.4
14304	427754	AA002226	38.9	17.0	9.0	0.0	0.0	1.2	0.4	1	1.4
6056	810519	AA464643	108.2	17.0	9.0	0.0	0.0	1.2	0.4	1	1.4
17578	29397	R05660	6.2	17.0	5.0	2.0	0.0	1.2	1.1	0	1.4
19834	824526	AA491078	4.5	17.0	7.0	1.0	0.0	1.2	0.6	1	1.4
18354	30095	R40129	525.0	18.0	7.0	0.0	0.0	1.2	1.0	0.4	1.4
3438	126393	R06466	36.5	15.0	7.0	3.0	0.0	1.2	0.7	1	1.3
1396	137760	R68219	80.9	15.0	7.0	3.0	0.0	1.2	0.7	1	1.3
2525	232899	H73337	153.6	15.0	7.0	3.0	0.0	1.2	0.7	1	1.3
363	126438	R06642	50.9	18.0	5.0	1.0	0.0	1.2	1.0	0.6	1.3
5647	124822	R05837	2.0	15.0	9.0	2.0	0.0	1.2	0.7	1.2	1.3
4951	295873	N73510	8.8	16.0	9.0	1.0	0.0	1.2	0.9	1	1.3
8964	361840	W92514	75.4	17.0	7.0	1.0	0.0	1.2	0.9	1	1.3
18872	826193	AA521448	3.4	16.0	4.0	1.0	1.0	1.2	1.0	0.8	1.3
700	810868	AA458969	3.4	20.0	3.0	0.0	0.0	1.2	1.3	0.4	1.3
14793	1031580	AA609310	52.0	18.0	7.0	0.0	0.0	1.2	1.3	0.4	1.3
1036	133333	R26855	35.9	15.0	7.0	3.0	0.0	1.2	0.7	1.4	1.2
2893	327506	W32731	45.8	15.0	7.0	3.0	0.0	1.2	0.7	1.4	1.2
11822	364839	AA053962	33.6	17.0	9.0	0.0	0.0	1.2	0.7	1.4	1.2
13512	842895	AA486427	64.8	18.0	7.0	0.0	0.0	1.2	1.0	1	1.2
10384	289530	N59249	73.7	17.0	9.0	0.0	0.0	1.2	1.0	1.2	1.2
3269	199286	R95887	2.7	18.0	7.0	0.0	0.0	1.2	1.1	1	1.2
4762	810131	AA464250	40.7	13.0	9.0	4.0	0.0	1.2	1.1	1	1.2
14760	147834	R81830	39.7	14.0	7.0	4.0	0.0	1.2	1.0	1.4	1.2
1805	206094	H61608	34.0	14.0	7.0	4.0	0.0	1.2	1.0	1.4	1.2
18732	361341	AA017698	3.7	20.0	3.0	0.0	0.0	1.2	1.0	1.4	1.2
6717	503052	AA151529	3.6	17.0	7.0	1.0	0.0	1.2	1.0	1.4	1.2
22173	272711	N32301	7.7	19.0	5.0	0.0	0.0	1.2	1.1	1.2	1.2
3801	213535	H72259	19.2	16.0	9.0	1.0	0.0	1.2	1.3	1	1.2
2517	239524	H81331	4.4	20.0	3.0	0.0	0.0	1.2	1.4	0.8	1.2
26059	1435185	AA857632	4.5	13.0	8.0	4.0	0.0	1.1	1.2	0.0	1.9
118	245330	N54596	18.4	9.0	6.0	4.0	2.0	1.1	0.0	0	1.7
17020	126810	R07268	161.6	17.0	6.0	1.0	0.0	1.1	0.6	0	1.5
2208	193724	H47864	15.2	15.0	8.0	2.0	0.0	1.1	0.3	1.6	1.3
9472	41843	R52731	31.9	14.0	8.0	3.0	0.0	1.1	0.3	1.8	1.2
4820	136286	R33665	44.5	14.0	10.0	2.0	0.0	1.1	0.7	1.6	1.2
21879	132326	R26283	4.8	14.0	5.0	2.0	1.0	1.1	1.9	0	1.2
5992	243360	N48109	28.2	19.0	4.0	0.0	0.0	1.1	0.9	1.6	1.1
10206	586854	AA130874	30.1	17.0	8.0	0.0	0.0	1.1	1.0	1.6	1.1
14916	1416782	AA894557	36.6	11.0	7.0	4.0	1.0	1.1	1.0	1.6	1.1
15511	328613	W45285	1.6	16.0	8.0	1.0	0.0	1.1	1.6	0.8	1.1

Table 4

10235	868304	AA634006	511.2	15.0	6.0	3.0	0.0	1.1	2.1	0	1.1
266	66550	T67022	20.0	14.0	6.0	4.0	0.0	1.1	1.6	1	1.0
17892	31904	R43250	22.4	17.0	8.0	0.0	0.0	1.1	1.1	1.8	1.0
12079	248691	N59568	3.7	16.0	10.0	0.0	0.0	1.1	1.3	1.6	1.0
9248	272600	N35922	25.6	18.0	6.0	0.0	0.0	1.1	1.3	1.6	1.0
6061	245806	N52234	3.9	14.0	10.0	2.0	0.0	1.1	1.6	1.2	1.0
6542	128228	R10429	22.3	17.0	8.0	0.0	0.0	1.1	1.7	1	1.0
10003	810454	AA457119	36.2	13.0	8.0	4.0	0.0	1.1	2.1	0.4	1.0
2528	292392	N68390	5.2	17.0	8.0	0.0	0.0	1.1	1.4	1.6	1.0
5538	782513	AA432030	67.6	10.0	7.0	5.0	1.0	1.1	2.1	0.6	1.0
427	753313	AA406585	8.0	12.0	7.0	3.0	1.0	1.1	2.3	0.4	1.0
255	122170	T98511	13.8	17.0	6.0	1.0	0.0	1.1	1.1	2.2	0.9
3063	126277	R06284	17.3	15.0	8.0	2.0	0.0	1.1	1.7	1.4	0.9
3774	248698	N59564	18.9	15.0	8.0	2.0	0.0	1.1	1.7	1.4	0.9
1292	199251	R95830	23.2	16.0	8.0	1.0	0.0	1.1	1.4	2	0.9
18078	251565	H96630	49.9	18.0	6.0	0.0	0.0	1.1	1.6	1.8	0.9
14511	897768	AA598507	3.7	12.0	7.0	3.0	1.0	1.1	2.1	1.2	0.8
243	120318	T97004	7.7	16.0	6.0	2.0	0.0	1.1	1.4	2.4	0.8
8399	950700	AA608572	84.0	11.0	6.0	2.0	2.0	1.1	3.3	0.4	0.7
11031	32229	R42813	186.7	17.0	6.0	1.0	0.0	1.1	0.3	0.8	1.4
8610	252491	H87567	7.4	13.0	7.0	2.0	1.0	1.1	0.4	0.6	1.4
8366	782843	AA448281	4.7	12.0	8.0	5.0	0.0	1.1	0.4	0.6	1.4
11428	52232	H23270	168.1	18.0	6.0	0.0	0.0	1.1	0.6	0.4	1.4
3470	767638	AA418339	2.5	14.0	10.0	2.0	0.0	1.1	0.9	0	1.4
587	126237	R06370	4.0	16.0	6.0	2.0	0.0	1.1	0.3	1	1.4
4480	195091	R91244	20.5	7.0	6.0	6.0	2.0	1.1	0.3	1	1.4
12538	294685	N71303	245.4	17.0	8.0	0.0	0.0	1.1	0.4	0.8	1.4
5007	741067	AA402352	144.5	10.0	4.0	4.0	2.0	1.1	0.7	0.4	1.4
11290	809829	AA464413	99.0	15.0	10.0	1.0	0.0	1.1	0.7	0.4	1.4
14826	133647	R27619	8.7	12.0	7.0	3.0	1.0	1.1	1.0	0	1.4
3215	196433	R91516	104.9	17.0	8.0	0.0	0.0	1.1	0.4	1	1.4
4751	724378	AA250771	233.3	16.0	8.0	1.0	0.0	1.1	0.4	1	1.4
10660	34466	R44214	94.9	18.0	6.0	0.0	0.0	1.1	0.6	0.8	1.4
5617	245426	N77205	101.4	18.0	6.0	0.0	0.0	1.1	0.6	0.8	1.4
5698	296094	N73604	110.0	16.0	6.0	2.0	0.0	1.1	0.7	0.6	1.4
11631	810082	AA464952	62.2	17.0	8.0	0.0	0.0	1.1	0.9	0.4	1.4
2591	123459	R00507	4.1	15.0	5.0	1.0	1.0	1.1	0.4	1.2	1.3
17840	201028	H48269	38.4	16.0	8.0	1.0	0.0	1.1	1.0	0.4	1.3
12962	788240	AA454082	2.9	19.0	4.0	0.0	0.0	1.1	1.0	0.4	1.3
2990	214614	H73661	42.8	16.0	8.0	1.0	0.0	1.1	0.7	1	1.3
4892	247082	N57848	101.3	14.0	8.0	3.0	0.0	1.1	0.7	1	1.3
17875	1035457	AA621665	69.9	18.0	6.0	0.0	0.0	1.1	0.7	1	1.3
6067	416858	W87319	4.0	16.0	10.0	0.0	0.0	1.1	1.1	0.4	1.3
14474	809863	AI732769	6.9	13.0	7.0	2.0	1.0	1.1	1.4	0	1.3
9316	235104	H79433	62.9	17.0	4.0	2.0	0.0	1.1	0.6	1.4	1.2
4708	773301	AA425556	9.7	14.0	3.0	3.0	1.0	1.1	0.6	1.4	1.2
14325	757246	AA426026	11.3	19.0	4.0	0.0	0.0	1.1	1.0	0.8	1.2
18488	176572	H45295	3.7	15.0	5.0	1.0	1.0	1.1	1.3	0.4	1.2
4099	121501	T97309	13.4	16.0	6.0	2.0	0.0	1.1	0.7	1.4	1.2
1375	128627	R16784	41.5	15.0	8.0	2.0	0.0	1.1	0.7	1.4	1.2
961	111204	T85249	58.9	15.0	8.0	2.0	0.0	1.1	1.0	1	1.2
14397	629907	AA219229	69.4	18.0	6.0	0.0	0.0	1.1	1.1	0.8	1.2
11998	427996	AA001841	7.7	16.0	8.0	1.0	0.0	1.1	0.9	1.4	1.2
15147	290227	N77552	103.9	18.0	6.0	0.0	0.0	1.1	1.1	1	1.2
20001	396297	AA758451	17.6	16.0	8.0	1.0	0.0	1.1	1.1	1	1.2
1056	138210	R53916	3.4	19.0	4.0	0.0	0.0	1.1	1.3	0.8	1.2
10014	124229	R02329	6.2	16.0	6.0	2.0	0.0	1.1	1.0	1.4	1.1

Table 4

11911	210803	H67707	148.0	17.0	8.0	0.0	0.0	1.1	1.3	1	1.1
7435	345196	W73935	4.3	17.0	8.0	0.0	0.0	1.1	1.1	1.4	1.1
3710	111200	T85248	27.4	14.0	8.0	3.0	0.0	1.1	1.4	1	1.1
5264	195314	R92079	2.5	18.0	6.0	0.0	0.0	1.1	1.3	1.4	1.0
2537	240022	H78331	4.2	19.0	4.0	0.0	0.0	1.1	1.3	1.4	1.0
26076	1636786	AJ017342	26.8	17.0	7.0	0.0	0.0	1.1	2.0	0.5	1.5
13258	291700	N73477	76.5	12.0	6.0	3.0	1.0	1.1	0.0	2	1.2
4440	211319	H66650	10.6	15.0	7.0	2.0	0.0	1.1	0.4	1.6	1.2
4210	293675	N69666	13.8	13.0	9.0	3.0	0.0	1.1	0.4	1.6	1.2
1963	361943	AA001444	38.2	15.0	7.0	2.0	0.0	1.1	1.6	0	1.2
12214	257902	N27023	6.6	16.0	5.0	2.0	0.0	1.1	0.0	2.6	1.1
4911	196640	R93009	55.8	15.0	9.0	1.0	0.0	1.1	0.7	1.6	1.1
11992	289196	N76391	2.3	17.0	7.0	0.0	0.0	1.1	1.0	1.6	1.0
311	141768	R70549	14.9	15.0	7.0	2.0	0.0	1.1	0.4	2.6	1.0
21835	245866	N55342	4.8	19.0	3.0	0.0	0.0	1.1	0.9	2	1.0
1795	120823	T95358	3.6	15.0	7.0	2.0	0.0	1.1	1.0	1.8	1.0
1062	296199	N74390	23.2	17.0	7.0	0.0	0.0	1.1	1.1	1.6	1.0
9688	294281	N64426	3.3	18.0	3.0	1.0	0.0	1.1	1.7	0.8	1.0
5255	132159	R23504	10.5	13.0	7.0	4.0	0.0	1.1	0.7	2.4	1.0
223	240937	H90997	11.1	16.0	7.0	1.0	0.0	1.1	1.0	2	1.0
12026	795531	AA459781	5.6	18.0	5.0	0.0	0.0	1.1	1.0	2	1.0
12143	77911	T61269	10.5	12.0	8.0	2.0	1.0	1.1	2.4	0	1.0
17760	342271	W61215	31.1	12.0	6.0	3.0	1.0	1.1	2.4	0	1.0
1003	121877	T97361	3.5	18.0	5.0	0.0	0.0	1.1	1.4	1.6	0.9
9866	122394	T99303	2.2	17.0	7.0	0.0	0.0	1.1	1.4	1.6	0.9
18764	361551	AA018365	2.5	18.0	5.0	0.0	0.0	1.1	1.6	1.4	0.9
8254	770898	AA434411	19.9	17.0	7.0	0.0	0.0	1.1	1.6	1.4	0.9
12682	742679	AA400086	4.0	11.0	6.0	4.0	1.0	1.1	2.6	0	0.9
17068	134969	R31837	21.9	15.0	7.0	2.0	0.0	1.1	1.3	2	0.9
12062	123761	R01415	32.1	17.0	7.0	0.0	0.0	1.1	1.4	1.8	0.9
18198	290566	N62375	65.5	16.0	9.0	0.0	0.0	1.1	1.6	1.6	0.9
3270	66475	R16019	7.4	18.0	5.0	0.0	0.0	1.1	1.6	1.8	0.8
1164	767183	AA424681	6.4	14.0	9.0	2.0	0.0	1.1	2.3	1	0.8
12955	35481	R25533	6.2	9.0	8.0	5.0	1.0	1.1	2.1	1.6	0.7
12179	79565	T62704	10.2	14.0	7.0	3.0	0.0	1.1	1.3	3	0.7
19402	506548	AA709036	45.5	11.0	6.0	4.0	1.0	1.1	2.6	2	0.5
13947	360177	AA012911	28.9	10.0	5.0	3.0	2.0	1.1	3.4	1	0.5
4208	66491	R16034	5.6	11.0	5.0	2.0	2.0	1.1	2.4	3	0.4
14498	788641	AA449883	7.4	10.0	8.0	4.0	1.0	1.1	2.6	3.6	0.2
17179	1055261	AA621480	259.7	18.0	5.0	0.0	0.0	1.1	0.3	0.4	1.5
20910	756708	AA443903	3.6	14.0	4.0	2.0	1.0	1.1	0.6	0	1.5
690	136855	R36212	38.3	16.0	9.0	0.0	0.0	1.1	0.4	0.4	1.4
15952	753957	AA479362	37.5	12.0	6.0	3.0	1.0	1.1	0.4	0.4	1.4
1791	122913	T99792	50.8	14.0	7.0	3.0	0.0	1.1	0.4	0.6	1.4
12663	44154	H06153	12.8	16.0	7.0	1.0	0.0	1.1	0.9	0	1.4
17434	782593	AA447540	214.9	16.0	5.0	2.0	0.0	1.1	0.9	0	1.4
5866	380057	AA046411	68.6	17.0	7.0	0.0	0.0	1.1	0.4	0.8	1.4
6856	40449	R53258	57.9	17.0	7.0	0.0	0.0	1.1	0.6	0.6	1.4
12990	31195	R41911	4.0	15.0	7.0	2.0	0.0	1.1	0.7	0.4	1.4
17654	38804	R49117	145.0	15.0	9.0	1.0	0.0	1.1	0.7	0.4	1.4
14180	1412344	AA844930	146.5	17.0	7.0	0.0	0.0	1.1	1.0	0	1.4
6347	789314	AA451684	27.7	17.0	5.0	1.0	0.0	1.1	0.3	1.2	1.3
2638	246652	N57713	176.5	15.0	9.0	1.0	0.0	1.1	0.4	1	1.3
996	132623	R26813	121.5	14.0	7.0	3.0	0.0	1.1	0.7	0.6	1.3
35	141562	R73003	332.9	16.0	7.0	1.0	0.0	1.1	0.7	0.6	1.3
1531	244323	N75727	144.4	14.0	9.0	2.0	0.0	1.1	0.7	0.6	1.3
4542	295514	N74930	151.7	15.0	5.0	3.0	0.0	1.1	0.7	0.6	1.3

Table 4

5704	263846	H99771	37.8	17.0	7.0	0.0	0.0	1.1	0.9	0.4	1.3
16183	279464	N48794	197.4	17.0	5.0	1.0	0.0	1.1	0.9	0.4	1.3
15121	594758	AA172236	19.5	11.0	8.0	3.0	1.0	1.1	0.9	0.4	1.3
3704	242011	H93823	58.9	9.0	6.0	6.0	1.0	1.1	0.3	1.4	1.3
15600	44303	H06380	6.9	17.0	5.0	1.0	0.0	1.1	0.6	1	1.3
9092	46108	H09325	37.6	14.0	9.0	2.0	0.0	1.1	0.6	1	1.3
3664	195358	R88990	34.0	17.0	7.0	0.0	0.0	1.1	0.6	1	1.3
6341	744980	AA625915	3.0	16.0	7.0	1.0	0.0	1.1	0.7	0.8	1.3
7314	415250	W91885	61.2	15.0	9.0	1.0	0.0	1.1	1.0	0.4	1.3
14208	448432	AA777551	1.2	15.0	5.0	3.0	0.0	1.1	1.0	0.4	1.3
11935	211870	H66708	43.1	15.0	9.0	1.0	0.0	1.1	0.7	1	1.2
13287	813611	AA447843	12.7	12.0	9.0	4.0	0.0	1.1	0.7	1	1.2
17121	61626	T41024	178.0	17.0	7.0	0.0	0.0	1.1	0.9	0.8	1.2
17024	243216	H94497	73.9	17.0	7.0	0.0	0.0	1.1	0.9	0.8	1.2
16317	565947	AA136540	43.6	17.0	7.0	0.0	0.0	1.1	1.1	0.4	1.2
12237	49303	H15677	3.1	9.0	7.0	3.0	2.0	1.1	1.4	0	1.2
12841	592699	AA159962	4.9	17.0	5.0	1.0	0.0	1.1	0.6	1.4	1.2
6038	242070	H93010	5.5	15.0	9.0	1.0	0.0	1.1	0.7	1.2	1.2
7100	209176	H62004	2.3	17.0	7.0	0.0	0.0	1.1	0.9	1	1.2
5190	111844	T91287	2.7	18.0	5.0	0.0	0.0	1.1	1.0	0.8	1.2
4171	128632	R10043	4.0	18.0	5.0	0.0	0.0	1.1	1.0	0.8	1.2
6131	212438	H69528	74.1	13.0	7.0	4.0	0.0	1.1	0.7	1.4	1.2
3317	358162	W95346	6.2	17.0	5.0	1.0	0.0	1.1	0.7	1.4	1.2
14928	452588	AA778919	2.9	15.0	7.0	2.0	0.0	1.1	0.7	1.4	1.2
12035	234490	H95362	24.7	16.0	5.0	2.0	0.0	1.1	0.9	1.2	1.2
8029	50860	H17981	6.7	16.0	7.0	1.0	0.0	1.1	1.0	1	1.2
10129	280387	N49276	13.4	17.0	7.0	0.0	0.0	1.1	1.0	1	1.2
18027	43829	H05770	84.5	17.0	7.0	0.0	0.0	1.1	1.1	0.8	1.2
5956	191648	H38230	5.7	17.0	7.0	0.0	0.0	1.1	1.1	0.8	1.2
2421	201727	R99749	14.2	18.0	5.0	0.0	0.0	1.1	1.3	0.6	1.2
19736	810800	AA459058	6.9	16.0	7.0	1.0	0.0	1.1	1.3	0.6	1.2
11363	50114	H16851	8.5	8.0	7.0	4.0	2.0	1.1	1.4	0.4	1.2
20876	180156	R85939	4.2	13.0	9.0	3.0	0.0	1.1	1.4	0.4	1.2
7431	196779	R93051	17.0	18.0	5.0	0.0	0.0	1.1	1.0	1.2	1.1
11041	41822	R54193	6.5	13.0	9.0	3.0	0.0	1.1	1.3	0.8	1.1
6554	280000	N38891	8.6	17.0	5.0	1.0	0.0	1.1	1.3	0.8	1.1
11414	80221	T64409	4.9	14.0	13.0	0.0	0.0	1.1	1.1	1.2	1.1
15936	1048714	AA620628	103.4	19.0	3.0	0.0	0.0	1.1	1.1	1.2	1.1
10485	505385	AA147540	43.6	17.0	7.0	0.0	0.0	1.1	1.4	0.8	1.1
2828	199628	R96599	3.1	14.0	13.0	0.0	0.0	1.1	1.3	1.2	1.0
1011	233347	H77534	3.2	17.0	7.0	0.0	0.0	1.1	1.4	1	1.0
11554	429353	AA007521	41.6	16.0	9.0	0.0	0.0	1.1	1.4	1	1.0
12550	594176	AI732618	92.5	18.0	5.0	0.0	0.0	1.1	1.3	1.4	1.0
21934	281103	N50935	35.9	15.0	7.0	2.0	0.0	1.1	1.4	1.2	1.0
9607	204442	H58000	23.4	16.0	9.0	0.0	0.0	1.1	1.4	1.4	1.0
14775	841016	AA486857	32.7	17.0	7.0	0.0	0.0	1.1	1.4	1.4	1.0
7468	741960	AA402883	6.9	9.0	4.0	4.0	2.0	1.1	0.0	0	1.6
12507	1031748	AA609599	4.8	15.0	6.0	2.0	0.0	1.1	0.0	0.4	1.5
18240	1031838	AA609684	9.8	17.0	6.0	0.0	0.0	1.1	0.0	0.4	1.5
13695	48299	H14391	183.5	15.0	6.0	2.0	0.0	1.1	0.3	0	1.5
4521	232723	H72700	68.9	13.0	8.0	3.0	0.0	1.1	0.3	0	1.5
25450	1459376	AA864554	10.6	10.0	7.0	4.0	1.0	1.1	1.6	1.3	1.4
22595	1473045	AA873427	23.8	15.0	8.0	1.0	0.0	1.1	1.4	2.5	1.2
660	141230	R67373	5.6	7.0	6.0	5.0	2.0	1.1	0.0	2	1.2
8300	25122	37602::T79886	2.1	15.0	6.0	2.0	0.0	1.1	0.3	1.8	1.2
1913	199243	R95869	11.8	13.0	10.0	2.0	0.0	1.1	0.4	1.6	1.2
6043	203514	H55966	3.6	14.0	8.0	2.0	0.0	1.1	0.4	1.6	1.2

Table 4

5976	244781	N54407	14.4	8.0	6.0	4.0	2.0	1.1	0.0	2.4	1.1
10087	487831	AA045083	3.5	15.0	10.0	0.0	0.0	1.1	0.6	1.6	1.1
10253	121406	T96688	2.4	17.0	6.0	0.0	0.0	1.1	0.7	1.6	1.1
2923	127216	R08275	16.8	14.0	8.0	2.0	0.0	1.1	0.7	1.6	1.1
2216	771133	AA427782	2.6	17.0	4.0	1.0	0.0	1.1	0.7	1.6	1.1
17952	35039	R45165	2.0	14.0	3.0	2.0	1.0	1.1	2.0	0	1.0
1048	138189	R53911	32.1	14.0	8.0	2.0	0.0	1.1	1.0	1.6	1.0
2226	206986	H48389	6.0	17.0	6.0	0.0	0.0	1.1	1.0	1.8	1.0
1729	197474	H52098	7.4	18.0	4.0	0.0	0.0	1.1	1.1	1.6	1.0
1733	246705	N57750	17.4	15.0	8.0	1.0	0.0	1.1	1.1	1.6	1.0
20311	684979	AA252352	2.8	15.0	10.0	0.0	0.0	1.1	1.1	1.6	1.0
2597	297084	N73768	3.6	18.0	4.0	0.0	0.0	1.1	1.0	2	0.9
20880	220658	H87795	18.2	15.0	8.0	1.0	0.0	1.1	1.1	1.8	0.9
17751	277476	N47763	4.0	14.0	3.0	2.0	1.0	1.1	1.6	1.2	0.9
16679	503234	AA151621	6.3	15.0	4.0	3.0	0.0	1.1	1.6	1.2	0.9
16270	730990	AA416584	12.5	18.0	4.0	0.0	0.0	1.1	1.4	1.6	0.9
7462	782782	AA448167	12.3	16.0	8.0	0.0	0.0	1.1	1.4	1.6	0.9
5657	127636	R09196	14.5	16.0	6.0	1.0	0.0	1.1	1.7	1.4	0.8
14569	812053	AA455980	9.1	13.0	8.0	3.0	0.0	1.1	2.7	0	0.8
5510	700302	AA290906	5.4	14.0	5.0	1.0	1.0	1.1	2.3	0.8	0.8
1773	245319	N54594	6.2	15.0	8.0	1.0	0.0	1.1	1.6	2	0.8
5897	282501	N49856	6.0	17.0	6.0	0.0	0.0	1.1	1.3	2.6	0.7
16174	566597	AA152144	7.2	15.0	6.0	2.0	0.0	1.1	2.0	1.8	0.7
7278	855523	AA664180	33.0	11.0	7.0	3.0	1.0	1.1	0.7	4.6	0.5
1452	322537	W15263	13.1	9.0	7.0	5.0	1.0	1.1	2.4	3	0.3
19021	714437	AA292019	26.1	10.0	4.0	3.0	2.0	1.1	2.4	3	0.3
5901	827144	AA521243	10.5	8.0	3.0	3.0	3.0	1.1	3.1	2	0.3
13959	490434	AA122079	5.7	7.0	5.0	3.0	3.0	1.1	1.0	6.6	0.0
8824	52917	H29231	204.8	14.0	6.0	3.0	0.0	1.1	0.3	0.4	1.4
15882	838003	AA434482	384.1	17.0	4.0	1.0	0.0	1.1	0.3	0.4	1.4
4428	139250	R68736	27.0	6.0	6.0	6.0	2.0	1.1	0.0	1	1.4
2920	207990	H60503	9.4	6.0	6.0	6.0	2.0	1.1	0.0	1	1.4
5208	210622	H64244	9.8	6.0	6.0	6.0	2.0	1.1	0.0	1	1.4
3401	245386	N77182	12.4	6.0	6.0	6.0	2.0	1.1	0.0	1	1.4
710	247635	N58163	35.4	6.0	6.0	6.0	2.0	1.1	0.0	1	1.4
5310	257011	N26802	12.0	6.0	6.0	6.0	2.0	1.1	0.0	1	1.4
11210	307740	N92947	57.5	6.0	6.0	6.0	2.0	1.1	0.0	1	1.4
4550	796198	AA461108	4.4	6.0	6.0	6.0	2.0	1.1	0.0	1	1.4
10078	120924	T95909	155.4	15.0	6.0	2.0	0.0	1.1	0.3	0.6	1.4
11200	278875	W00510	125.7	17.0	4.0	1.0	0.0	1.1	0.3	0.6	1.4
1838	112409	T90962	28.8	16.0	6.0	1.0	0.0	1.1	0.4	0.4	1.4
17187	37883	R61435	323.0	14.0	8.0	2.0	0.0	1.1	0.7	0	1.4
11340	41137	R58974	137.8	17.0	6.0	0.0	0.0	1.1	0.3	0.8	1.4
10291	511806	AA088560	170.6	17.0	6.0	0.0	0.0	1.1	0.3	0.8	1.4
5733	213118	H69576	136.7	16.0	6.0	1.0	0.0	1.1	0.3	1	1.3
2969	246808	N53214	14.0	15.0	8.0	1.0	0.0	1.1	0.3	1	1.3
9421	811046	AA485427	18.8	16.0	6.0	1.0	0.0	1.1	0.6	0.6	1.3
14191	48687	H16098	16.4	16.0	6.0	1.0	0.0	1.1	1.0	0	1.3
13574	811572	AA454595	6.6	13.0	7.0	1.0	1.0	1.1	1.0	0	1.3
5583	124091	R02599	2.7	18.0	2.0	1.0	0.0	1.1	0.3	1.2	1.3
2662	202414	H52622	82.3	15.0	8.0	1.0	0.0	1.1	0.4	1	1.3
13132	299498	N74958	116.9	16.0	8.0	0.0	0.0	1.1	0.4	1	1.3
6137	244201	N52978	2.8	15.0	3.0	1.0	1.0	1.1	0.6	0.8	1.3
17833	626773	AA191322	333.1	17.0	6.0	0.0	0.0	1.1	0.9	0.4	1.3
2507	196109	R91913	49.5	14.0	8.0	2.0	0.0	1.1	0.4	1.2	1.2
7595	248027	N58372	109.2	16.0	8.0	0.0	0.0	1.1	0.6	1	1.2
4340	120343	T97023	3.9	17.0	4.0	1.0	0.0	1.1	1.3	0	1.2



Table 4

17420	322242	W38026	226.4	17.0	4.0	1.0	0.0	1.1	0.6	1.2	1.2
2614	244343	N52822	33.8	14.0	8.0	2.0	0.0	1.1	0.7	1	1.2
17114	360428	AA015663	62.8	18.0	4.0	0.0	0.0	1.1	0.7	1	1.2
19600	814501	AA459358	67.7	16.0	6.0	1.0	0.0	1.1	0.7	1	1.2
7672	46565	H09759	8.6	17.0	6.0	0.0	0.0	1.1	1.1	0.4	1.2
13176	210531	H65832	33.3	16.0	6.0	1.0	0.0	1.1	1.1	0.4	1.2
11067	340994	W58143	45.2	14.0	8.0	2.0	0.0	1.1	0.6	1.4	1.2
5962	132630	R25980	6.8	19.0	2.0	0.0	0.0	1.1	0.9	1	1.2
17803	730377	AA470073	6.3	15.0	3.0	1.0	1.0	1.1	1.0	0.8	1.2
3561	148421	H12365	25.7	14.0	6.0	3.0	0.0	1.1	0.7	1.4	1.1
8116	298936	N71147	25.5	17.0	6.0	0.0	0.0	1.1	0.7	1.4	1.1
6824	32991	R44770	1.0	17.0	6.0	0.0	0.0	1.1	1.0	1	1.1
17739	257796	N30621	6.6	15.0	6.0	2.0	0.0	1.1	1.0	1	1.1
15664	461516	AA705069	6.6	16.0	6.0	1.0	0.0	1.1	1.1	0.8	1.1
18114	796239	AA460675	245.4	11.0	7.0	3.0	1.0	1.1	1.1	0.8	1.1
6245	327425	W02227	2.8	17.0	6.0	0.0	0.0	1.1	1.3	0.6	1.1
17338	773511	AA428070	16.8	15.0	8.0	1.0	0.0	1.1	1.3	0.6	1.1
1889	199229	R95770	9.3	14.0	8.0	2.0	0.0	1.1	0.9	1.4	1.1
14367	429122	AA005048	6.7	17.0	4.0	1.0	0.0	1.1	1.0	1.2	1.1
8226	782700	AA448098	32.3	17.0	6.0	0.0	0.0	1.1	1.1	1	1.1
2612	428006	AA001845	2.4	16.0	8.0	0.0	0.0	1.1	1.3	0.8	1.1
342	296141	N74357	2.5	18.0	4.0	0.0	0.0	1.1	1.0	1.4	1.0
6240	301043	N81017	3.0	11.0	8.0	5.0	0.0	1.1	1.0	1.4	1.0
7824	611532	AA181334	4.7	17.0	6.0	0.0	0.0	1.1	1.0	1.4	1.0
2223	342522	W68559	2.6	18.0	4.0	0.0	0.0	1.1	1.4	0.8	1.0
6326	346360	W74254	4.0	18.0	2.0	1.0	0.0	1.1	1.4	0.8	1.0
7731	360025	AA063573	3.0	19.0	2.0	0.0	0.0	1.1	1.4	0.8	1.0
4626	592243	AA155695	7.9	17.0	4.0	1.0	0.0	1.1	1.4	1	1.0
8582	809595	AI732811	19.5	15.0	8.0	1.0	0.0	1.1	1.4	1	1.0
7486	809751	AA454775	12.5	16.0	8.0	0.0	0.0	1.1	1.4	1	1.0
5475	789382	AA464852	2.8	18.0	4.0	0.0	0.0	1.1	1.3	1.4	1.0
14377	610030	AA169190	15.5	17.0	6.0	0.0	0.0	1.1	1.4	1.4	0.9
5118	789091	AA452933	37.7	15.0	6.0	2.0	0.0	1.1	1.4	1.4	0.9
7556	34010	R23515	47.9	13.0	9.0	2.0	0.0	1.1	0.4	1.8	1.1
5970	122889	T99881	35.9	17.0	5.0	0.0	0.0	1.1	0.6	1.6	1.1
7783	199334	R95913	11.1	18.0	3.0	0.0	0.0	1.1	0.6	1.8	1.0
3405	203850	H56438	32.1	13.0	9.0	2.0	0.0	1.1	0.7	1.6	1.0
15880	1031592	AA609473	16.3	13.0	9.0	2.0	0.0	1.1	1.6	0.6	1.0
6864	49315	H15366	2.4	16.0	7.0	0.0	0.0	1.1	1.7	0.4	1.0
5362	115414	T87521	2.8	19.0	1.0	0.0	0.0	1.1	1.0	1.6	1.0
7012	294535	W01926	6.9	13.0	7.0	3.0	0.0	1.1	1.7	0.6	1.0
18296	754346	AA436138	6.4	12.0	7.0	4.0	0.0	1.1	1.9	0.4	1.0
9184	67237	T52700	26.0	10.0	6.0	4.0	1.0	1.1	0.6	2.4	0.9
1761	201322	R99685	17.7	13.0	7.0	3.0	0.0	1.1	1.0	1.8	0.9
17083	743445	AA609365	41.0	16.0	5.0	1.0	0.0	1.1	1.0	1.8	0.9
17196	127709	R09608	65.1	17.0	5.0	0.0	0.0	1.1	1.1	1.6	0.9
15822	219961	H85704	14.9	13.0	9.0	2.0	0.0	1.1	1.1	1.6	0.9
17711	277513	N47348	29.2	18.0	3.0	0.0	0.0	1.1	1.1	1.6	0.9
1035	296393	N70127	3.5	19.0	1.0	0.0	0.0	1.1	1.1	1.8	0.9
13818	788629	AA449866	2.6	18.0	3.0	0.0	0.0	1.1	1.3	1.8	0.8
1737	241824	H93086	12.4	17.0	5.0	0.0	0.0	1.1	1.0	2.4	0.8
2518	120413	T95953	10.3	14.0	7.0	2.0	0.0	1.1	1.4	1.8	0.8
14355	488555	AA047136	36.6	15.0	5.0	2.0	0.0	1.1	1.0	2.6	0.8
7922	141495	R72969	4.2	17.0	3.0	1.0	0.0	1.1	1.3	2.2	0.8
9267	810429	AA457108	22.0	15.0	7.0	1.0	0.0	1.1	1.3	2.2	0.8
21956	450111	AA703519	5.3	17.0	3.0	1.0	0.0	1.1	1.4	2.2	0.7
14244	345118	W94214	5.5	17.0	3.0	1.0	0.0	1.1	2.4	0.8	0.7

Table 4

2687	324815	W49562	10.2	16.0	5.0	1.0	0.0	1.1	1.9	1.8	0.7
17080	296205	N70023	32.3	15.0	7.0	1.0	0.0	1.1	1.7	2.2	0.6
1054	306806	N91900	5.3	16.0	5.0	1.0	0.0	1.1	1.7	2.2	0.6
13306	295359	N76040	447.9	16.0	7.0	0.0	0.0	1.1	0.3	0	1.5
9573	49631	H29257	209.8	15.0	5.0	2.0	0.0	1.1	0.3	0.4	1.4
12591	43961	H04826	307.6	16.0	7.0	0.0	0.0	1.1	0.6	0	1.4
890	40042	R53973	94.8	15.0	9.0	0.0	0.0	1.1	0.4	0.4	1.4
14078	128587	R10347	258.2	16.0	7.0	0.0	0.0	1.1	0.4	0.4	1.4
1101	202990	H54253	107.1	17.0	5.0	0.0	0.0	1.1	0.3	0.8	1.3
1845	202553	H53262	57.3	15.0	7.0	1.0	0.0	1.1	0.4	0.6	1.3
4909	207421	H58814	34.5	16.0	7.0	0.0	0.0	1.1	0.4	0.6	1.3
1915	229330	H79253	225.0	14.0	7.0	2.0	0.0	1.1	0.4	0.6	1.3
2852	246543	N57658	128.7	16.0	7.0	0.0	0.0	1.1	0.4	0.6	1.3
10543	229949	H70887	3.6	11.0	3.0	2.0	2.0	1.1	0.6	0.4	1.3
7047	324333	AA284109	49.5	17.0	5.0	0.0	0.0	1.1	0.6	0.4	1.3
20958	280161	N47014	11.3	15.0	5.0	2.0	0.0	1.1	0.0	1.4	1.3
2544	138601	R63407	4.8	14.0	7.0	2.0	0.0	1.1	0.3	1	1.3
8967	195547	R89225	183.4	16.0	5.0	1.0	0.0	1.1	0.3	1	1.3
8786	859422	AA666180	335.9	15.0	7.0	1.0	0.0	1.1	0.3	1	1.3
4199	136780	R36070	130.7	17.0	5.0	0.0	0.0	1.1	0.4	0.8	1.3
4214	345342	W76645	59.9	15.0	5.0	2.0	0.0	1.1	0.4	0.8	1.3
2477	179890	H51574	4.7	15.0	5.0	2.0	0.0	1.1	0.6	0.6	1.3
14300	344550	W73597	197.7	16.0	5.0	1.0	0.0	1.1	0.7	0.4	1.3
15402	627401	AA190434	6.6	11.0	6.0	3.0	1.0	1.1	0.7	0.4	1.3
268	132323	R26289	199.5	15.0	7.0	1.0	0.0	1.1	0.4	1	1.2
185	138936	R62868	193.3	17.0	5.0	0.0	0.0	1.1	0.4	1	1.2
6129	230509	H81048	172.8	15.0	7.0	1.0	0.0	1.1	0.4	1	1.2
4858	241066	H91308	58.9	16.0	7.0	0.0	0.0	1.1	0.4	1	1.2
12506	296468	N70203	128.2	17.0	5.0	0.0	0.0	1.1	0.4	1	1.2
17468	627687	AA196287	806.8	16.0	5.0	1.0	0.0	1.1	0.6	0.8	1.2
8630	810446	AA457115	18.8	14.0	7.0	2.0	0.0	1.1	0.6	0.8	1.2
15268	187614	R83610	9.3	13.0	7.0	3.0	0.0	1.1	0.7	0.6	1.2
4593	230180	H74330	33.0	16.0	7.0	0.0	0.0	1.1	0.7	0.6	1.2
16044	202958	H54476	139.5	16.0	7.0	0.0	0.0	1.1	0.9	0.4	1.2
1149	202357	H53053	32.4	17.0	5.0	0.0	0.0	1.1	0.4	1.2	1.2
9389	340642	W56753	57.2	17.0	5.0	0.0	0.0	1.1	0.6	1	1.2
11632	377441	AA055241	7.5	12.0	4.0	3.0	1.0	1.1	0.7	0.8	1.2
12808	470914	AA032084	45.6	17.0	5.0	0.0	0.0	1.1	0.7	0.8	1.2
8681	178825	H49741	3.7	14.0	4.0	1.0	1.0	1.1	1.0	0.4	1.2
17460	773250	AA425851	22.8	15.0	7.0	1.0	0.0	1.1	1.0	0.4	1.2
2120	193586	H47383	29.7	15.0	7.0	1.0	0.0	1.1	0.4	1.4	1.2
11188	281681	N53255	185.9	13.0	7.0	3.0	0.0	1.1	0.4	1.4	1.2
6070	115337	T87109	3.4	17.0	5.0	0.0	0.0	1.1	0.6	1.2	1.2
6035	293683	N63823	57.9	13.0	9.0	2.0	0.0	1.1	0.7	1	1.2
1105	197736	R93696	2.8	17.0	5.0	0.0	0.0	1.1	0.9	0.8	1.2
3395	108330	T70850	2.1	15.0	7.0	1.0	0.0	1.1	1.0	0.6	1.2
13851	264904	N21056	72.7	17.0	5.0	0.0	0.0	1.1	1.0	0.6	1.2
10395	197374	R87122	57.4	18.0	3.0	0.0	0.0	1.1	0.9	1	1.1
4222	197414	R87075	2.5	17.0	5.0	0.0	0.0	1.1	0.9	1	1.1
2060	246035	N76927	3.6	19.0	1.0	0.0	0.0	1.1	1.0	0.8	1.1
14490	838776	AA457576	1.1	16.0	5.0	1.0	0.0	1.1	1.3	0.4	1.1
5961	150466	H01788	4.2	19.0	1.0	0.0	0.0	1.1	0.9	1.2	1.1
2743	470179	AA029964	13.8	13.0	9.0	2.0	0.0	1.1	0.9	1.2	1.1
12077	770789	AA437355	5.7	15.0	5.0	2.0	0.0	1.1	0.9	1.2	1.1
10826	109952	T88816	12.1	17.0	5.0	0.0	0.0	1.1	1.0	1	1.1
4800	52629	H29415	35.9	18.0	3.0	0.0	0.0	1.1	1.1	0.8	1.1
4627	246549	N53065	10.8	14.0	9.0	1.0	0.0	1.1	1.3	0.6	1.1

Table 4

4085	140197	R66101	3.9	12.0	6.0	2.0	1.0	1.1	1.4	0.4	1.1
4107	121808	T97314	15.6	13.0	9.0	2.0	0.0	1.1	1.0	1.2	1.0
5212	162778	H27560	1.8	14.0	11.0	0.0	0.0	1.1	1.0	1.2	1.0
1066	245479	N55085	8.2	18.0	3.0	0.0	0.0	1.1	1.0	1.2	1.0
9690	126449	R06705	6.8	17.0	5.0	0.0	0.0	1.1	1.3	0.8	1.0
7466	272990	N44129	86.6	17.0	5.0	0.0	0.0	1.1	1.3	0.8	1.0
8812	73756	T54643	15.1	13.0	7.0	3.0	0.0	1.1	1.0	1.4	1.0
3347	121206	T96965	17.9	15.0	7.0	1.0	0.0	1.1	1.0	1.4	1.0
2595	241794	H90573	2.8	15.0	9.0	0.0	0.0	1.1	1.0	1.4	1.0
19079	416429	W86826	3.2	18.0	3.0	0.0	0.0	1.1	1.0	1.4	1.0
17702	590853	AA161283	5.6	16.0	7.0	0.0	0.0	1.1	1.0	1.4	1.0
1073	197093	R93412	18.2	17.0	5.0	0.0	0.0	1.1	1.3	1	1.0
2970	292482	N62588	30.8	16.0	7.0	0.0	0.0	1.1	1.1	1.4	1.0
5678	137139	R36006	8.4	14.0	7.0	2.0	0.0	1.1	1.4	1	1.0
18835	431511	AA676227	6.7	18.0	3.0	0.0	0.0	1.1	1.3	1.4	0.9
22431	845435	AA644547	230.4	15.0	6.0	1.0	0.0	1.0	1.2	0.5	1.6
9728	296448	W00943	19.3	6.0	5.0	3.0	3.0	1.0	0.0	0	1.5
26010	247054	N53942	19.4	14.0	6.0	2.0	0.0	1.0	1.4	1.8	1.3
22464	824665	AA482181	10.5	12.0	6.0	4.0	0.0	1.0	2.4	1.0	1.2
4929	233852	H65942	3.5	6.0	5.0	3.0	3.0	1.0	0.0	2	1.1
17320	364896	AA024617	13.6	15.0	6.0	1.0	0.0	1.0	0.3	1.6	1.1
3688	195553	R89126	10.7	12.0	6.0	4.0	0.0	1.0	0.9	1.6	1.0
5693	207952	H60523	22.6	14.0	8.0	1.0	0.0	1.0	0.9	1.6	1.0
6914	121256	T96605	29.9	13.0	10.0	1.0	0.0	1.0	1.6	0.6	1.0
7718	366763	AA029331	11.2	13.0	6.0	3.0	0.0	1.0	1.7	0.4	1.0
9406	194638	R84398	51.1	16.0	6.0	0.0	0.0	1.0	0.9	1.8	0.9
1420	137884	R68578	2.6	16.0	6.0	0.0	0.0	1.0	1.0	1.6	0.9
14486	731469	AA412417	10.2	12.0	8.0	3.0	0.0	1.0	2.1	0	0.9
17347	284586	N59451	14.7	15.0	8.0	0.0	0.0	1.0	0.9	2	0.9
665	135673	R31591	45.7	14.0	6.0	2.0	0.0	1.0	1.0	1.8	0.9
4223	144930	R78605	3.7	18.0	2.0	0.0	0.0	1.0	1.0	1.8	0.9
10525	415715	W84667	4.5	17.0	4.0	0.0	0.0	1.0	1.3	1.6	0.8
21529	462188	AA705423	6.2	16.0	4.0	1.0	0.0	1.0	1.0	2.2	0.8
5964	191516	H38148	12.3	15.0	8.0	0.0	0.0	1.0	1.1	2	0.8
20603	136508	R34567	9.9	10.0	7.0	3.0	1.0	1.0	2.6	0	0.8
4215	155072	AI820748	2.9	14.0	3.0	1.0	1.0	1.0	2.6	0	0.8
6782	47359	H11003	6.7	14.0	4.0	3.0	0.0	1.0	2.1	0.8	0.8
20978	276816	N40556	7.7	15.0	8.0	0.0	0.0	1.0	2.3	1	0.7
22424	824179	AA490887	6.4	12.0	5.0	2.0	1.0	1.0	2.2	3.8	0.6
20631	151597	H03146	7.9	9.0	6.0	2.0	2.0	1.0	2.9	0.6	0.6
8628	233277	H77494	38.0	15.0	6.0	1.0	0.0	1.0	0.0	0.4	1.4
15637	200417	R97240	478.9	14.0	8.0	1.0	0.0	1.0	0.3	0	1.4
13843	264858	N21043	534.8	16.0	6.0	0.0	0.0	1.0	0.3	0	1.4
14814	267865	N25657	183.1	16.0	6.0	0.0	0.0	1.0	0.3	0	1.4
7246	511909	AI733765	89.4	12.0	6.0	4.0	0.0	1.0	0.0	0.6	1.4
7844	211865	H66709	7.8	11.0	5.0	3.0	1.0	1.0	0.6	0	1.4
2968	195037	R88771	11.4	6.0	6.0	5.0	2.0	1.0	0.0	1	1.3
5697	201229	R99297	9.7	6.0	6.0	5.0	2.0	1.0	0.0	1	1.3
10117	342208	W63785	36.1	16.0	6.0	0.0	0.0	1.0	0.0	1	1.3
8829	50508	H17506	100.6	12.0	5.0	2.0	1.0	1.0	0.3	0.6	1.3
7657	26414	R20662	2.9	13.0	6.0	3.0	0.0	1.0	0.4	0.4	1.3
3887	289502	N79669	216.1	15.0	8.0	0.0	0.0	1.0	0.4	0.4	1.3
14644	565110	AA129914	43.3	17.0	4.0	0.0	0.0	1.0	0.4	0.4	1.3
4612	296679	N74018	4.3	16.0	2.0	2.0	0.0	1.0	0.3	0.8	1.3
2142	111004	T83110	94.7	15.0	6.0	1.0	0.0	1.0	0.4	0.6	1.3
18435	205582	H58175	109.4	14.0	8.0	1.0	0.0	1.0	0.4	0.6	1.3
5543	232973	H75547	263.5	14.0	8.0	1.0	0.0	1.0	0.4	0.6	1.3

Table 4

1571	293696	N69672	24.0	15.0	8.0	0.0	0.0	1.0	0.4	0.6	1.3
12510	590539	AA155754	24.4	15.0	8.0	0.0	0.0	1.0	0.4	0.6	1.3
17214	786616	AA451965	82.9	16.0	6.0	0.0	0.0	1.0	0.4	0.6	1.3
16326	323041	W42527	418.1	17.0	4.0	0.0	0.0	1.0	0.6	0.4	1.3
9411	491727	AA156691	484.8	16.0	4.0	1.0	0.0	1.0	0.3	1	1.2
16238	730858	AA416984	81.7	14.0	6.0	2.0	0.0	1.0	0.4	0.8	1.2
9687	207538	60163::H60206	104.0	17.0	4.0	0.0	0.0	1.0	0.6	0.6	1.2
13770	788554	AA452962	199.2	15.0	8.0	0.0	0.0	1.0	1.0	0	1.2
189	813552	AA455448	25.3	13.0	6.0	3.0	0.0	1.0	1.0	0	1.2
4616	30502	R18606	1.7	12.0	8.0	3.0	0.0	1.0	0.3	1.2	1.2
4166	193937	R83852	116.7	16.0	6.0	0.0	0.0	1.0	0.4	1	1.2
4067	247216	N59057	28.0	14.0	6.0	2.0	0.0	1.0	0.4	1	1.2
4978	294942	N71473	177.9	15.0	6.0	1.0	0.0	1.0	0.4	1	1.2
3373	203910	H56731	3.8	15.0	8.0	0.0	0.0	1.0	0.6	0.8	1.2
16903	277631	N45983	4.4	14.0	3.0	1.0	1.0	1.0	0.9	0.4	1.2
17802	743275	AA400412	220.4	15.0	4.0	2.0	0.0	1.0	0.9	0.4	1.2
12164	32331	R42922	84.7	12.0	8.0	3.0	0.0	1.0	0.3	1.4	1.2
9353	143535	R75639	61.8	16.0	6.0	0.0	0.0	1.0	0.3	1.4	1.2
7712	272531	N35889	23.8	14.0	6.0	2.0	0.0	1.0	0.3	1.4	1.2
2681	199709	R96694	9.1	16.0	6.0	0.0	0.0	1.0	0.4	1.2	1.2
10939	293895	N95139	67.9	15.0	8.0	0.0	0.0	1.0	0.6	1	1.2
10468	811015	AA485377	11.5	15.0	8.0	0.0	0.0	1.0	0.9	0.6	1.2
12800	841471	AA487357	141.8	18.0	2.0	0.0	0.0	1.0	0.9	0.6	1.2
514	47510	H11692	2.5	17.0	4.0	0.0	0.0	1.0	0.6	1.2	1.1
3699	127542	R08883	39.7	11.0	8.0	4.0	0.0	1.0	0.7	1	1.1
12040	290091	N63260	14.8	17.0	4.0	0.0	0.0	1.0	0.7	1	1.1
5695	144861	R78575	4.8	16.0	6.0	0.0	0.0	1.0	0.9	0.8	1.1
5688	269930	N40331	4.1	16.0	6.0	0.0	0.0	1.0	0.9	0.8	1.1
6136	418299	W90749	3.7	15.0	1.0	1.0	1.0	1.0	0.9	0.8	1.1
14783	841473	AI734186	4.9	15.0	4.0	2.0	0.0	1.0	0.9	0.8	1.1
12687	288677	N62402	10.9	16.0	6.0	0.0	0.0	1.0	1.1	0.4	1.1
1856	345523	W72436	2.1	17.0	4.0	0.0	0.0	1.0	1.4	0	1.1
13045	813414	AA458648	4.8	14.0	6.0	2.0	0.0	1.0	1.4	0	1.1
12504	41899	R59580	61.5	16.0	4.0	1.0	0.0	1.0	0.6	1.4	1.1
2585	245585	N72540	14.9	14.0	10.0	0.0	0.0	1.0	0.7	1.2	1.1
12003	279966	N57551	14.1	14.0	6.0	2.0	0.0	1.0	0.9	1	1.1
6176	265832	N20968	6.5	17.0	4.0	0.0	0.0	1.0	1.0	0.8	1.1
18823	433596	AA701665	7.6	14.0	10.0	0.0	0.0	1.0	1.0	0.8	1.1
10342	345262	W74406	4.9	14.0	6.0	2.0	0.0	1.0	1.3	0.4	1.1
3739	127710	R09498	102.9	11.0	8.0	4.0	0.0	1.0	0.7	1.4	1.0
4037	124059	R02699	3.2	15.0	8.0	0.0	0.0	1.0	0.9	1.2	1.0
6046	235070	H79241	3.8	16.0	4.0	1.0	0.0	1.0	0.9	1.2	1.0
12782	795284	AA454016	6.5	16.0	6.0	0.0	0.0	1.0	1.0	1	1.0
5684	109440	T81516	3.0	16.0	6.0	0.0	0.0	1.0	1.1	0.8	1.0
4562	139558	R62340	3.7	17.0	4.0	0.0	0.0	1.0	1.1	0.8	1.0
1109	202243	H52412	4.8	17.0	4.0	0.0	0.0	1.0	1.1	0.8	1.0
1527	488359	AA048498	2.3	15.0	8.0	0.0	0.0	1.0	1.1	0.8	1.0
7534	742115	AA405800	22.9	11.0	8.0	4.0	0.0	1.0	0.9	1.4	1.0
9408	295093	N71628	5.1	15.0	8.0	0.0	0.0	1.0	1.0	1.2	1.0
8571	208616		2.8	16.0	4.0	1.0	0.0	1.0	1.1	1	1.0
478	340644	W56754	3.5	17.0	4.0	0.0	0.0	1.0	1.3	0.8	1.0
21836	173704	H22537	3.0	16.0	6.0	0.0	0.0	1.0	1.0	1.4	1.0
18228	239924	H79845	10.2	16.0	6.0	0.0	0.0	1.0	1.0	1.4	1.0
2936	241171	H80424	10.2	12.0	8.0	3.0	0.0	1.0	1.0	1.4	1.0
12419	305408	N95073	69.4	18.0	2.0	0.0	0.0	1.0	1.0	1.4	1.0
14931	42330	R61187	43.7	16.0	6.0	0.0	0.0	1.0	1.1	1.2	1.0
22235	701411	AA288016	106.6	16.0	6.0	0.0	0.0	1.0	1.3	1	1.0

Table 4

8158	795590	AA459693	4.0	15.0	8.0	0.0	0.0	1.0	1.3	1	1.0
20290	283191	N51362	12.6	12.0	10.0	2.0	0.0	1.0	1.4	1	0.9
13582	809976	AA455185	5.3	17.0	4.0	0.0	0.0	1.0	1.3	1.4	0.9
9787	810700	AA482667	34.8	16.0	6.0	0.0	0.0	1.0	1.3	1.4	0.9
3819	198256	R94456	31.3	13.0	6.0	3.0	0.0	1.0	1.4	1.4	0.8
27729	49392	H15541	4.3	16.0	3.0	1.0	0.0	1.0	0.4	0.0	1.8
24832	80463	T65992	104.3	13.0	7.0	2.0	0.0	1.0	0.6	0.0	1.8
26124	1292018	AA707502	8.5	7.0	6.0	6.0	1.0	1.0	1.0	0.0	1.7
24054	1574058	AA938623	7.1	14.0	7.0	1.0	0.0	1.0	0.4	1.8	1.5
8263	49953	H29276	30.9	11.0	7.0	4.0	0.0	1.0	0.3	1.6	1.1
1231	265680	N25352	23.6	11.0	9.0	3.0	0.0	1.0	1.6	0	1.0
6122	129616	R16656	12.4	15.0	5.0	1.0	0.0	1.0	0.4	1.8	1.0
10693	62092	T41066	19.1	16.0	5.0	0.0	0.0	1.0	0.7	1.6	1.0
12162	868380	AA634109	14.6	13.0	7.0	2.0	0.0	1.0	1.6	0.4	1.0
142	789369	AA464856	52.8	8.0	7.0	2.0	2.0	1.0	1.9	0	1.0
5670	129569	R14977	4.9	16.0	5.0	0.0	0.0	1.0	0.7	1.8	0.9
8863	347772	W81506	33.9	14.0	7.0	1.0	0.0	1.0	0.9	1.6	0.9
6027	129342	R12689	16.3	11.0	7.0	4.0	0.0	1.0	0.7	2	0.9
4806	138592	R63343	71.8	14.0	7.0	1.0	0.0	1.0	1.0	1.6	0.9
6530	121717	97993::T98070	9.6	14.0	7.0	1.0	0.0	1.0	1.7	0.6	0.9
2696	753775	AA406242	14.3	12.0	6.0	1.0	1.0	1.0	1.9	0.4	0.9
10488	588915	AA157813	231.2	11.0	7.0	4.0	0.0	1.0	2.1	0	0.9
20167	150897	H03518	4.9	14.0	7.0	1.0	0.0	1.0	0.7	2.2	0.8
10364	24237	R38018	2.7	13.0	5.0	3.0	0.0	1.0	1.0	1.8	0.8
21968	451487	AA707317	4.0	16.0	3.0	1.0	0.0	1.0	1.1	1.6	0.8
18924	160113	H22011	12.4	15.0	5.0	1.0	0.0	1.0	1.6	1	0.8
3023	214583	H71223	32.3	14.0	7.0	1.0	0.0	1.0	1.6	1	0.8
13012	1159963	AA877255	12.2	14.0	7.0	1.0	0.0	1.0	1.6	1	0.8
16090	27277	R19096	1.5	16.0	3.0	1.0	0.0	1.0	2.0	0.4	0.8
10764	259072	N57054	3.1	16.0	3.0	1.0	0.0	1.0	0.7	2.4	0.8
21969	413089	AA707806	17.8	16.0	5.0	0.0	0.0	1.0	1.3	1.6	0.8
8506	241648	H91614	12.7	11.0	4.0	3.0	1.0	1.0	2.4	0	0.8
1485	240769	H91057	21.5	14.0	9.0	0.0	0.0	1.0	1.6	1.6	0.7
12827	251877	H96672	43.7	14.0	9.0	0.0	0.0	1.0	1.7	1.4	0.7
19196	361668	W96278	38.1	13.0	7.0	2.0	0.0	1.0	1.1	2.4	0.7
18983	275653	R93309	9.6	12.0	6.0	1.0	1.0	1.0	2.3	1.2	0.6
3446	310034	W24161	7.1	11.0	7.0	4.0	0.0	1.0	2.1	1.6	0.6
6469	49918	H15296	222.4	15.0	7.0	0.0	0.0	1.0	0.0	0.4	1.4
7860	293110	N63848	40.8	11.0	7.0	4.0	0.0	1.0	0.0	0.4	1.4
13072	310501	W31078	208.4	15.0	7.0	0.0	0.0	1.0	0.3	0	1.4
8627	324946	W48815	94.1	14.0	5.0	2.0	0.0	1.0	0.3	0	1.4
4540	345177	W76271	2.8	17.0	3.0	0.0	0.0	1.0	0.3	0	1.4
8239	192198	H41144	204.4	12.0	4.0	2.0	1.0	1.0	0.0	0.6	1.4
4729	296198	N74383	18.4	16.0	5.0	0.0	0.0	1.0	0.0	0.6	1.4
8028	69893	T48649	318.4	12.0	4.0	2.0	1.0	1.0	0.3	0.4	1.3
22098	129613	R16613	3.1	12.0	6.0	1.0	1.0	1.0	0.3	0.4	1.3
7612	262912	H99659	94.1	16.0	5.0	0.0	0.0	1.0	0.3	0.4	1.3
17570	29258	R15022	83.8	16.0	5.0	0.0	0.0	1.0	0.6	0	1.3
9060	49555	H15089	119.1	15.0	7.0	0.0	0.0	1.0	0.0	1	1.3
12163	83345	T68440	105.2	10.0	4.0	4.0	1.0	1.0	0.0	1	1.3
5280	195821	R92188	51.3	7.0	6.0	6.0	1.0	1.0	0.0	1	1.3
9275	299332	N75569	267.9	15.0	5.0	1.0	0.0	1.0	0.3	0.6	1.3
20878	161455	H25551	3.9	15.0	5.0	1.0	0.0	1.0	0.7	0	1.3
16884	221828	H92234	2.7	12.0	7.0	3.0	0.0	1.0	0.7	0	1.3
6138	134312	R31218	4.0	16.0	3.0	1.0	0.0	1.0	0.3	0.8	1.2
20411	211301	H69022	82.4	16.0	5.0	0.0	0.0	1.0	0.3	0.8	1.2
17867	1035432	AA621644	219.5	17.0	3.0	0.0	0.0	1.0	0.3	0.8	1.2

Table 4

1505	210565	H65839	110.8	13.0	9.0	1.0	0.0	1.0	0.4	0.6	1.2
9599	416095	W85890	71.1	13.0	7.0	2.0	0.0	1.0	0.4	0.6	1.2
18320	754376	AA436289	160.9	16.0	5.0	0.0	0.0	1.0	0.4	0.6	1.2
2252	809788	AA454745	125.0	15.0	5.0	1.0	0.0	1.0	0.4	0.6	1.2
8413	71557	T47971	145.2	14.0	5.0	2.0	0.0	1.0	0.6	0.4	1.2
12363	261408	H98967	772.1	16.0	3.0	1.0	0.0	1.0	0.6	0.4	1.2
14339	270134	N40693	203.5	15.0	7.0	0.0	0.0	1.0	0.6	0.4	1.2
6032	243784	N33927	22.6	10.0	7.0	5.0	0.0	1.0	0.0	1.4	1.2
10293	46438	H09664	31.1	15.0	5.0	1.0	0.0	1.0	0.3	1	1.2
4518	296041	W02424	45.0	9.0	6.0	4.0	1.0	1.0	0.3	1	1.2
962	66582	T67093	135.8	14.0	7.0	1.0	0.0	1.0	0.4	0.8	1.2
8194	245886	N55355	40.3	16.0	5.0	0.0	0.0	1.0	0.6	0.6	1.2
4917	248481	N78198	4.3	14.0	5.0	2.0	0.0	1.0	0.6	0.6	1.2
6842	272616	N36130	288.9	15.0	5.0	1.0	0.0	1.0	0.6	0.6	1.2
536	358885	W94629	7.1	12.0	6.0	1.0	1.0	1.0	0.7	0.4	1.2
14374	795794	AA459851	176.9	15.0	5.0	1.0	0.0	1.0	1.0	0	1.2
1907	233579	H78482	88.8	14.0	7.0	1.0	0.0	1.0	0.4	1	1.2
7513	23548	R38161	49.3	17.0	3.0	0.0	0.0	1.0	0.6	0.8	1.2
12039	194134	H51039	31.7	12.0	4.0	2.0	1.0	1.0	0.6	0.8	1.2
4519	327221	W24837	3.1	17.0	3.0	0.0	0.0	1.0	0.6	0.8	1.2
8969	418435	W93024	106.8	15.0	3.0	2.0	0.0	1.0	0.6	0.8	1.2
2606	191572	H37880	117.8	14.0	5.0	2.0	0.0	1.0	0.7	0.6	1.2
1352	194656	R84407	128.9	13.0	7.0	2.0	0.0	1.0	0.7	0.6	1.2
13882	118049	T92232	231.9	14.0	5.0	2.0	0.0	1.0	0.9	0.4	1.2
7532	50173	H17484	23.7	13.0	7.0	2.0	0.0	1.0	0.3	1.4	1.1
16768	754126	AA478880	8.8	13.0	7.0	2.0	0.0	1.0	0.3	1.4	1.1
12396	123539	R00809	7.3	14.0	7.0	1.0	0.0	1.0	0.6	1	1.1
7110	397495	AA701081	3.4	14.0	5.0	2.0	0.0	1.0	0.9	0.6	1.1
1304	208531	H61979	21.3	11.0	6.0	2.0	1.0	1.0	1.0	0.4	1.1
8796	72063	T52375	46.7	16.0	5.0	0.0	0.0	1.0	0.6	1.2	1.1
1474	109049	T80942	71.4	13.0	7.0	2.0	0.0	1.0	0.7	1	1.1
3727	130801	R22065	29.6	14.0	5.0	2.0	0.0	1.0	0.7	1	1.1
4773	243100	H95792	23.7	16.0	5.0	0.0	0.0	1.0	0.7	1	1.1
4954	294445	N70978	21.4	14.0	7.0	1.0	0.0	1.0	0.7	1	1.1
5202	109108	T80611	3.4	16.0	3.0	1.0	0.0	1.0	0.9	0.8	1.1
1102	295545	N74953	5.6	15.0	7.0	0.0	0.0	1.0	0.9	0.8	1.1
21079	151789	H04247	99.3	16.0	5.0	0.0	0.0	1.0	1.0	0.6	1.1
3674	234318	H95238	66.3	14.0	7.0	1.0	0.0	1.0	1.0	0.6	1.1
12449	840530	AA487934	34.0	12.0	7.0	3.0	0.0	1.0	1.4	0	1.1
2587	121018	T96148	4.6	17.0	3.0	0.0	0.0	1.0	0.6	1.4	1.0
5953	129925	R19189	4.1	16.0	5.0	0.0	0.0	1.0	0.9	1	1.0
1368	234380	H93199	4.1	17.0	3.0	0.0	0.0	1.0	0.9	1	1.0
699	810104	AA465038	1.1	9.0	9.0	5.0	0.0	1.0	0.9	1	1.0
18537	395483	AA757671	6.3	15.0	7.0	0.0	0.0	1.0	1.0	0.8	1.0
1163	739983	AA479873	4.6	17.0	3.0	0.0	0.0	1.0	1.0	0.8	1.0
5275	129922	R19183	86.1	11.0	7.0	4.0	0.0	1.0	0.7	1.4	1.0
1023	212634	H69049	68.6	13.0	7.0	2.0	0.0	1.0	0.7	1.4	1.0
1021	244329	N75729	33.4	11.0	7.0	4.0	0.0	1.0	0.7	1.4	1.0
8055	34364	R44210	31.7	13.0	5.0	3.0	0.0	1.0	1.0	1	1.0
3283	121355	T96665	19.5	13.0	7.0	2.0	0.0	1.0	1.0	1	1.0
3580	122822	T99688	35.0	16.0	5.0	0.0	0.0	1.0	1.0	1	1.0
18079	298220	N68530	11.5	14.0	7.0	1.0	0.0	1.0	1.0	1	1.0
18839	433604	AA701668	24.8	15.0	5.0	1.0	0.0	1.0	1.0	1	1.0
13715	768997	AA426199	14.1	14.0	7.0	1.0	0.0	1.0	1.0	1	1.0
4555	300137	W07176	3.0	16.0	5.0	0.0	0.0	1.0	1.4	0.4	1.0
6255	327085	AA284288	4.0	18.0	1.0	0.0	0.0	1.0	1.4	0.4	1.0
713	208407	H62897	4.0	16.0	5.0	0.0	0.0	1.0	0.9	1.4	1.0

Table 4

7801	321834	W37112	7.6	15.0	5.0	1.0	0.0	1.0	0.9	1.4	1.0
9761	428632	AA004527	45.9	15.0	5.0	1.0	0.0	1.0	1.0	1.2	1.0
14223	290142	N63278	3.9	15.0	5.0	1.0	0.0	1.0	1.3	0.8	1.0
13544	781404	AA430202	3.4	17.0	3.0	0.0	0.0	1.0	1.3	0.8	1.0
8808	51879	H23329	158.3	17.0	3.0	0.0	0.0	1.0	1.1	1.2	0.9
1075	128795	R16769	16.0	16.0	5.0	0.0	0.0	1.0	1.3	1	0.9
254	132569	R25995	99.4	14.0	7.0	1.0	0.0	1.0	1.3	1	0.9
20144	383619	AA679067	111.6	15.0	7.0	0.0	0.0	1.0	1.3	1	0.9
13755	681891	AA256235	2.5	16.0	3.0	1.0	0.0	1.0	1.4	0.8	0.9
20533	741790	AA402965	25.7	14.0	5.0	2.0	0.0	1.0	1.4	0.8	0.9
1721	276547	N34857	5.1	12.0	7.0	3.0	0.0	1.0	1.1	1.4	0.9
8945	418054	W90725	62.4	17.0	3.0	0.0	0.0	1.0	1.3	1.2	0.9
18138	613173	AA179826	4.7	16.0	5.0	0.0	0.0	1.0	1.3	1.2	0.9
5741	208940	H61684	7.9	14.0	7.0	1.0	0.0	1.0	1.4	1	0.9
3822	294740	N69252	10.4	16.0	3.0	1.0	0.0	1.0	1.4	1.4	0.8
27523	506516	AA708619	9.6	11.0	7.0	1.0	1.0	1.0	0.0	0.0	1.9
24398	645161	AA206615	10.1	13.0	8.0	1.0	0.0	1.0	0.0	0.0	1.9
26830	1631863	AI792212	17.6	12.0	6.0	3.0	0.0	1.0	1.4	0.0	1.5
21235	432632	AA699450	4.5	17.0	2.0	0.0	0.0	1.0	0.3	1.6	1.0
26753	1486194	AA936866	8.7	10.0	6.0	5.0	0.0	1.0	1.6	2.3	1.0
1801	195947	R91386	14.9	14.0	6.0	1.0	0.0	1.0	0.4	1.6	1.0
10756	257096	N30792	87.2	13.0	8.0	1.0	0.0	1.0	0.4	1.6	1.0
20719	435303	AA699914	11.5	11.0	8.0	3.0	0.0	1.0	1.6	0	1.0
6353	435858	AA701545	7.9	15.0	6.0	0.0	0.0	1.0	1.6	0	1.0
10207	73222	T57221	59.3	15.0	6.0	0.0	0.0	1.0	0.6	1.6	1.0
6047	131824	R25114	2.5	15.0	6.0	0.0	0.0	1.0	0.6	1.6	1.0
18727	149245	R82522	15.2	14.0	6.0	1.0	0.0	1.0	0.6	1.6	1.0
2527	209264	H65490	4.4	15.0	6.0	0.0	0.0	1.0	0.6	1.6	1.0
7194	248412	N78159	4.1	14.0	6.0	1.0	0.0	1.0	0.6	1.6	1.0
12217	67759	T49651	11.1	12.0	8.0	2.0	0.0	1.0	1.7	0	1.0
3384	309515	N94385	2.8	11.0	5.0	2.0	1.0	1.0	0.0	2.6	0.9
1033	293437	N68871	8.6	17.0	2.0	0.0	0.0	1.0	0.6	1.8	0.9
3453	204624	H56926	58.4	15.0	6.0	0.0	0.0	1.0	0.7	1.6	0.9
13168	209179	H62010	34.6	13.0	6.0	2.0	0.0	1.0	0.7	1.6	0.9
711	324225	W47350	20.0	11.0	8.0	3.0	0.0	1.0	1.9	0	0.9
22447	845454	AA644183	17.9	15.0	4.0	1.0	0.0	1.0	1.4	3.0	0.9
21001	397575	AA701026	29.5	16.0	4.0	0.0	0.0	1.0	0.9	1.6	0.9
17358	241801	H93081	36.3	13.0	6.0	2.0	0.0	1.0	0.9	1.8	0.8
2521	108797	T77891	4.3	17.0	2.0	0.0	0.0	1.0	1.0	1.6	0.8
2131	129721	R16900	7.5	15.0	6.0	0.0	0.0	1.0	1.0	1.6	0.8
10932	270535	N41944	4.7	14.0	8.0	0.0	0.0	1.0	1.0	1.6	0.8
6042	230247	H94934	11.8	14.0	8.0	0.0	0.0	1.0	1.1	1.6	0.8
18900	826354	AA521027	4.7	14.0	6.0	1.0	0.0	1.0	1.6	1	0.8
1168	296998	N70349	15.6	14.0	8.0	0.0	0.0	1.0	1.4	1.6	0.7
1771	124320	R02095	1.8	17.0	2.0	0.0	0.0	1.0	1.6	1.4	0.7
1677	753301	AA406571	4.5	16.0	4.0	0.0	0.0	1.0	1.9	1	0.7
22094	203878	H56452	71.1	12.0	6.0	3.0	0.0	1.0	0.0	0.4	1.4
15038	212784	H69691	304.6	14.0	4.0	2.0	0.0	1.0	0.0	0.4	1.4
14345	609620	AA167589	60.4	15.0	6.0	0.0	0.0	1.0	0.3	0	1.4
7036	123811	R01448	240.8	14.0	6.0	1.0	0.0	1.0	0.0	0.6	1.3
4558	301678	N79558	42.2	11.0	5.0	2.0	1.0	1.0	0.0	0.6	1.3
11840	563592	AA101268	108.0	10.0	6.0	5.0	0.0	1.0	0.0	0.6	1.3
8284	24282	39330::T78759	59.8	14.0	6.0	1.0	0.0	1.0	0.0	0.8	1.3
11878	276805	N40554	95.2	15.0	6.0	0.0	0.0	1.0	0.0	0.8	1.3
14798	233904	H68097	276.5	15.0	6.0	0.0	0.0	1.0	0.3	0.4	1.3
19317	267435	N25234	222.3	15.0	6.0	0.0	0.0	1.0	0.3	0.4	1.3
3414	293356	N68820	109.8	14.0	4.0	2.0	0.0	1.0	0.3	0.4	1.3

Table 4

14604	626765	AA191318	440.0	15.0	6.0	0.0	0.0	1.0	0.3	0.4	1.3
16943	731275	AA421078	349.0	14.0	4.0	2.0	0.0	1.0	0.3	0.4	1.3
11745	741795	AA402863	3.9	15.0	6.0	0.0	0.0	1.0	0.3	0.4	1.3
12291	743323	AA400596	5.4	16.0	2.0	1.0	0.0	1.0	0.3	0.4	1.3
16315	838874	AA481795	141.3	17.0	2.0	0.0	0.0	1.0	0.6	0	1.3
10309	46236	H10661	80.5	9.0	6.0	6.0	0.0	1.0	0.0	1	1.2
4496	195139	R91271	23.8	13.0	8.0	1.0	0.0	1.0	0.0	1	1.2
4961	200937	R99004	21.1	8.0	7.0	4.0	1.0	1.0	0.0	1	1.2
4153	230191	H94849	7.4	6.0	6.0	4.0	2.0	1.0	0.0	1	1.2
7700	261667	H98780	348.2	14.0	6.0	1.0	0.0	1.0	0.3	0.6	1.2
12172	40100	R54590	4.0	12.0	8.0	2.0	0.0	1.0	0.4	0.4	1.2
498	51463	H21071	90.9	15.0	4.0	1.0	0.0	1.0	0.4	0.4	1.2
5892	127408	R08755	34.4	15.0	6.0	0.0	0.0	1.0	0.4	0.4	1.2
4427	198961	H83233	62.9	14.0	6.0	1.0	0.0	1.0	0.4	0.4	1.2
19116	814320	AA459110	4.6	15.0	4.0	1.0	0.0	1.0	0.3	0.8	1.2
5533	48799	H14841	126.0	13.0	10.0	0.0	0.0	1.0	0.4	0.6	1.2
9608	248232	N78063	170.6	11.0	8.0	3.0	0.0	1.0	0.4	0.6	1.2
6420	67385	T49309	47.6	16.0	4.0	0.0	0.0	1.0	0.6	0.4	1.2
12558	594226	AA169535	341.0	15.0	6.0	0.0	0.0	1.0	0.6	0.4	1.2
15947	785941	AA449718	77.0	15.0	6.0	0.0	0.0	1.0	0.9	0	1.2
12160	46328	H10641	2.5	11.0	5.0	2.0	1.0	1.0	0.3	1	1.2
1891	233074	H75626	3.3	17.0	2.0	0.0	0.0	1.0	0.3	1	1.2
10866	258263	N26407	123.0	16.0	4.0	0.0	0.0	1.0	0.3	1	1.2
6686	810904	AA459285	163.0	14.0	8.0	0.0	0.0	1.0	0.3	1	1.2
3021	243317	H95086	168.4	12.0	6.0	3.0	0.0	1.0	0.4	0.8	1.2
4606	344141	W69879	30.8	12.0	6.0	3.0	0.0	1.0	0.6	0.6	1.2
21509	455204	AA676907	29.7	12.0	6.0	3.0	0.0	1.0	0.7	0.4	1.2
6204	213747	H72319	7.1	15.0	6.0	0.0	0.0	1.0	1.0	0	1.2
12771	253241	H89292	19.9	10.0	6.0	5.0	0.0	1.0	1.0	0	1.2
227	127185	R08165	46.2	13.0	8.0	1.0	0.0	1.0	0.4	1	1.1
12525	73472	T55513	70.5	17.0	2.0	0.0	0.0	1.0	0.6	0.8	1.1
4543	135752	R33082	5.6	16.0	2.0	1.0	0.0	1.0	0.6	0.8	1.1
725	240586	H90848	3.7	18.0	0.0	0.0	0.0	1.0	0.6	0.8	1.1
17025	360035	AA063577	104.1	17.0	2.0	0.0	0.0	1.0	0.6	0.8	1.1
5954	109271	T81035	75.3	13.0	6.0	2.0	0.0	1.0	0.7	0.6	1.1
1846	122963	R00326	65.0	13.0	6.0	2.0	0.0	1.0	0.7	0.6	1.1
2564	135094	R31426	148.4	12.0	6.0	3.0	0.0	1.0	0.7	0.6	1.1
4859	295594	W02403	205.2	13.0	6.0	2.0	0.0	1.0	0.7	0.6	1.1
17377	269182	N36684	52.4	17.0	2.0	0.0	0.0	1.0	0.9	0.4	1.1
14473	277076	N34288	406.7	17.0	2.0	0.0	0.0	1.0	0.9	0.4	1.1
6536	282865	N50158	2.0	14.0	8.0	0.0	0.0	1.0	0.9	0.4	1.1
16648	1030649	AA608775	56.2	15.0	4.0	1.0	0.0	1.0	0.9	0.4	1.1
17170	377558	AA055474	82.0	15.0	6.0	0.0	0.0	1.0	0.4	1.2	1.1
17115	1056217	AA621047	15.8	15.0	6.0	0.0	0.0	1.0	0.4	1.2	1.1
11060	25029	R37615	35.7	14.0	4.0	2.0	0.0	1.0	0.6	1	1.1
14251	280466	N51585	118.1	17.0	2.0	0.0	0.0	1.0	0.6	1	1.1
5216	196522	R91557	16.2	16.0	4.0	0.0	0.0	1.0	0.7	0.8	1.1
18838	289562	N79710	239.9	16.0	4.0	0.0	0.0	1.0	0.9	0.6	1.1
6109	244313	N52814	5.2	15.0	6.0	0.0	0.0	1.0	1.0	0.4	1.1
20501	740780	AA477283	21.7	10.0	6.0	5.0	0.0	1.0	1.0	0.4	1.1
9049	1031940	AA609759	2.5	13.0	3.0	1.0	1.0	1.0	1.0	0.4	1.1
2148	141765	R69798	6.8	14.0	6.0	1.0	0.0	1.0	0.4	1.4	1.0
10228	80618	T57778	3.1	14.0	8.0	0.0	0.0	1.0	0.6	1.2	1.0
630	120309	T97214	106.2	13.0	6.0	2.0	0.0	1.0	0.7	1	1.0
4545	244784	N54401	14.7	15.0	4.0	1.0	0.0	1.0	0.7	1	1.0
315	129541	R11384	4.3	16.0	4.0	0.0	0.0	1.0	0.9	0.8	1.0
15803	282481	N54653	154.5	17.0	2.0	0.0	0.0	1.0	0.9	0.8	1.0



Table 4

318	296838	N74210	5.2	15.0	4.0	1.0	0.0	1.0	0.9	0.8	1.0
7752	375853	AA039857	22.6	14.0	6.0	1.0	0.0	1.0	1.0	0.6	1.0
8422	773073	AA425302	32.8	12.0	6.0	3.0	0.0	1.0	1.0	0.6	1.0
18392	460899	AA704187	29.9	14.0	6.0	1.0	0.0	1.0	1.4	0	1.0
18975	275116	R85452	93.1	14.0	8.0	0.0	0.0	1.0	0.7	1.2	1.0
11943	229776	67393::H67448	45.6	15.0	6.0	0.0	0.0	1.0	0.9	1	1.0
6576	280671	N50454	4.8	17.0	2.0	0.0	0.0	1.0	0.9	1	1.0
21470	280785	N50661	5.9	14.0	6.0	1.0	0.0	1.0	0.9	1	1.0
8484	340748	W56369	2.3	16.0	4.0	0.0	0.0	1.0	0.9	1	1.0
7664	45508	08223::H08321	130.6	15.0	6.0	0.0	0.0	1.0	1.0	0.8	1.0
434	128143	R12373	3.1	15.0	6.0	0.0	0.0	1.0	1.0	0.8	1.0
1083	129770	R16977	2.5	16.0	4.0	0.0	0.0	1.0	1.0	0.8	1.0
16835	53042	R15743	2.7	15.0	6.0	0.0	0.0	1.0	1.1	0.6	1.0
18744	223180	H86198	149.3	14.0	6.0	1.0	0.0	1.0	1.1	0.6	1.0
7633	50689	H17046	39.6	12.0	8.0	2.0	0.0	1.0	0.7	1.4	1.0
3722	113538	T79129	16.8	12.0	6.0	3.0	0.0	1.0	0.7	1.4	1.0
5267	129567	R14894	31.5	10.0	6.0	5.0	0.0	1.0	0.7	1.4	1.0
4688	293916	N66028	23.9	15.0	6.0	0.0	0.0	1.0	0.7	1.4	1.0
1232	308041	N92319	3.5	16.0	4.0	0.0	0.0	1.0	0.7	1.4	1.0
5611	121715	T97992	3.1	17.0	2.0	0.0	0.0	1.0	0.9	1.2	1.0
771	166934	R89615	2.1	14.0	8.0	0.0	0.0	1.0	1.0	1	1.0
17675	259870	N29850	77.3	16.0	4.0	0.0	0.0	1.0	1.0	1	1.0
10778	428652	AA004321	40.2	13.0	8.0	1.0	0.0	1.0	1.0	1	1.0
19096	450398	AA682861	19.2	11.0	6.0	4.0	0.0	1.0	1.0	1	1.0
10380	284796	N63099	3.1	15.0	6.0	0.0	0.0	1.0	1.1	0.8	1.0
6125	246478	N53043	35.8	15.0	4.0	1.0	0.0	1.0	1.3	0.6	1.0
2257	292424	N68408	20.7	14.0	6.0	1.0	0.0	1.0	1.3	0.6	1.0
9547	510845	AA099969	42.2	14.0	6.0	1.0	0.0	1.0	1.4	0.4	1.0
328	243603	N49725	4.2	17.0	2.0	0.0	0.0	1.0	0.9	1.4	0.9
6620	273499	N33263	2.1	15.0	6.0	0.0	0.0	1.0	0.9	1.4	0.9
6385	725308	AA291556	3.6	16.0	4.0	0.0	0.0	1.0	0.9	1.4	0.9
12087	202194	H52378	3.6	16.0	2.0	1.0	0.0	1.0	1.0	1.2	0.9
2287	270997	N34345	4.5	17.0	2.0	0.0	0.0	1.0	1.0	1.2	0.9
12512	35366	R45567	40.4	15.0	6.0	0.0	0.0	1.0	1.1	1	0.9
2279	325150	W48560	18.8	15.0	6.0	0.0	0.0	1.0	1.1	1	0.9
242	66390	T66919	3.7	16.0	4.0	0.0	0.0	1.0	1.3	0.8	0.9
2954	241539	H90603	88.7	12.0	6.0	3.0	0.0	1.0	1.0	1.4	0.9
10852	241996	H94195	12.5	16.0	4.0	0.0	0.0	1.0	1.0	1.4	0.9
14465	243477	N33610	6.4	15.0	4.0	1.0	0.0	1.0	1.0	1.4	0.9
6111	269680	N24786	3.9	16.0	4.0	0.0	0.0	1.0	1.0	1.4	0.9
10396	282063	N51479	25.1	16.0	4.0	0.0	0.0	1.0	1.0	1.4	0.9
14772	839037	AA487501	26.9	12.0	6.0	3.0	0.0	1.0	1.0	1.4	0.9
18920	178029	H46921	3.9	15.0	6.0	0.0	0.0	1.0	1.3	1	0.9
12651	39136	R51605	16.8	15.0	6.0	0.0	0.0	1.0	1.4	0.8	0.9
656	194600	R87642	18.9	11.0	8.0	3.0	0.0	1.0	1.1	1.4	0.8
15923	245583	N77246	65.9	15.0	6.0	0.0	0.0	1.0	1.1	1.4	0.8
8587	230316	H80847	17.4	16.0	4.0	0.0	0.0	1.0	1.4	1	0.8
7007	259905	N42062	108.6	14.0	8.0	0.0	0.0	1.0	1.4	1	0.8
8811	731457	AA470015	15.4	14.0	8.0	0.0	0.0	1.0	1.4	1	0.8
6012	188388	H43656	6.2	15.0	6.0	0.0	0.0	1.0	1.3	1.4	0.8
21287	700688	AA283874	38.6	16.0	4.0	0.0	0.0	1.0	1.3	1.4	0.8
22781	868770	AA775321	4.2	16.0	3.0	0.0	0.0	0.9	1.8	0.5	1.3
27696	111348	T85161	9.5	15.0	5.0	0.0	0.0	0.9	1.8	1.0	1.2
2630	292471	N68442	46.1	13.0	7.0	1.0	0.0	0.9	0.4	1.6	1.0
10232	46360	H09769	30.4	7.0	6.0	5.0	1.0	0.9	0.0	2.4	0.9
5975	131446	R23952	3.9	13.0	7.0	1.0	0.0	0.9	0.0	2.4	0.9
14510	34966	R44428	4.0	12.0	2.0	2.0	1.0	0.9	1.7	0	0.9

Table 4

10963	49318	H15718	17.8	13.0	5.0	2.0	0.0	0.9	0.3	2.2	0.9
21232	814528	AA459364	16.6	13.0	7.0	1.0	0.0	0.9	0.4	2	0.9
6093	244846	N52568	34.5	14.0	7.0	0.0	0.0	0.9	0.7	1.6	0.9
1834	247833	N58265	14.1	14.0	7.0	0.0	0.0	0.9	0.7	1.6	0.9
21008	450997	AA704278	40.1	13.0	7.0	1.0	0.0	0.9	0.7	1.6	0.9
9552	897595	AA496845	8.8	13.0	7.0	1.0	0.0	0.9	0.7	1.6	0.9
15623	666492	AA233070	20.7	12.0	7.0	2.0	0.0	0.9	1.9	0	0.9
7516	50749	H17349	4.8	8.0	6.0	4.0	1.0	0.9	0.6	2	0.8
16636	240148	H82698	9.3	13.0	5.0	2.0	0.0	0.9	1.7	0.4	0.8
15931	279936	N57535	5.2	8.0	6.0	4.0	1.0	0.9	1.7	0.4	0.8
1038	50214	H16854	1.9	13.0	7.0	1.0	0.0	0.9	2.0	0	0.8
6014	202209	H52298	13.3	15.0	3.0	1.0	0.0	0.9	0.9	1.8	0.8
2613	203038	H54189	2.2	15.0	3.0	1.0	0.0	0.9	0.9	1.8	0.8
7336	281243	N51002	5.4	14.0	7.0	0.0	0.0	0.9	1.0	1.6	0.8
7409	428941	AA004901	4.5	15.0	5.0	0.0	0.0	0.9	1.0	1.6	0.8
10019	303049	N91589	5.0	13.0	7.0	1.0	0.0	0.9	1.6	0.8	0.8
19914	878182	AA775447	61.7	11.0	7.0	3.0	0.0	0.9	1.7	0.6	0.8
17152	35474	R45572	7.3	13.0	7.0	1.0	0.0	0.9	0.7	2.2	0.8
5570	246703	N57749	18.1	13.0	7.0	1.0	0.0	0.9	1.1	1.6	0.8
3222	592801	AA158255	5.6	11.0	4.0	2.0	1.0	0.9	0.4	2.8	0.7
15832	430313	AA010611	5.7	13.0	5.0	2.0	0.0	0.9	0.7	2.4	0.7
4200	66437	R16098	4.6	15.0	3.0	1.0	0.0	0.9	1.1	1.8	0.7
15077	629868	AA219315	4.4	16.0	3.0	0.0	0.0	0.9	1.3	1.6	0.7
20488	450877	AA682671	9.4	14.0	5.0	1.0	0.0	0.9	1.3	1.8	0.7
7494	809828	AA464403	12.4	11.0	6.0	1.0	1.0	0.9	2.3	0.4	0.7
12007	198866	H82872	36.5	15.0	5.0	0.0	0.0	0.9	1.4	1.8	0.6
10095	377363	AA055052	2.9	14.0	3.0	2.0	0.0	0.9	2.0	1	0.6
19344	809869	AA455133	3.8	14.0	5.0	1.0	0.0	0.9	2.0	1	0.6
17804	197821	R93744	10.6	13.0	7.0	1.0	0.0	0.9	1.1	2.4	0.6
5227	345670	W72005	11.0	11.0	6.0	1.0	1.0	0.9	2.9	0	0.6
19426	1049230	AA620715	4.1	11.0	7.0	3.0	0.0	0.9	0.4	3.6	0.6
21897	412967	AA707847	10.7	9.0	3.0	2.0	2.0	0.9	3.1	0	0.5
15004	358217	W95635	11.3	9.0	6.0	3.0	1.0	0.9	2.9	1	0.4
9103	45629	H08730	3.1	7.0	5.0	3.0	2.0	0.9	2.1	3.6	0.1
6470	52076	H23124	9.3	7.0	5.0	3.0	2.0	0.9	0.0	0	1.4
8419	784229	AA446887	433.1	12.0	7.0	2.0	0.0	0.9	0.0	0	1.4
20182	196544	R91566	236.0	12.0	5.0	3.0	0.0	0.9	0.0	0.4	1.3
9369	252278	H87153	67.8	12.0	7.0	2.0	0.0	0.9	0.0	0.4	1.3
12557	27516	R14080	844.0	15.0	5.0	0.0	0.0	0.9	0.3	0	1.3
12477	562447	AA100595	103.6	15.0	5.0	0.0	0.0	0.9	0.3	0	1.3
26520	1048993	AA778645	8.0	10.0	6.0	2.0	1.0	0.9	1.4	0.8	1.3
15265	812098	AA456001	7.6	7.0	5.0	3.0	2.0	0.9	0.4	0	1.3
8152	289874	N63195	41.6	15.0	5.0	0.0	0.0	0.9	0.0	0.8	1.2
6528	39973	R52522	108.7	14.0	3.0	2.0	0.0	0.9	0.3	0.4	1.2
8792	51542	H20757	363.7	12.0	5.0	3.0	0.0	0.9	0.3	0.4	1.2
14045	110167	T71214	249.1	14.0	7.0	0.0	0.0	0.9	0.3	0.4	1.2
1468	123546	R01566	42.8	13.0	7.0	1.0	0.0	0.9	0.3	0.4	1.2
12937	269303	N24046	431.6	15.0	5.0	0.0	0.0	0.9	0.3	0.4	1.2
14082	308620	A1734233	291.4	17.0	1.0	0.0	0.0	0.9	0.3	0.4	1.2
15408	322926	W45025	513.9	15.0	5.0	0.0	0.0	0.9	0.3	0.4	1.2
17764	143380	R74206	302.5	13.0	5.0	2.0	0.0	0.9	0.6	0	1.2
5721	201317	R99584	13.5	6.0	6.0	6.0	1.0	0.9	0.0	1	1.2
4977	201393	R99627	37.4	6.0	6.0	6.0	1.0	0.9	0.0	1	1.2
6300	209389	H64150	193.4	12.0	7.0	2.0	0.0	0.9	0.0	1	1.2
4590	235008	H79221	20.7	6.0	6.0	6.0	1.0	0.9	0.0	1	1.2
624	295973	N73551	20.2	6.0	6.0	6.0	1.0	0.9	0.0	1	1.2
10027	503725	AA131530	180.5	13.0	5.0	2.0	0.0	0.9	0.3	0.6	1.2

Table 4

12316	525478	AA065042	10.9	10.0	6.0	2.0	1.0	0.9	0.3	0.6	1.2
1636	739901	AA477893	338.8	14.0	7.0	0.0	0.0	0.9	0.3	0.6	1.2
1610	124261	R02346	96.8	12.0	7.0	2.0	0.0	0.9	0.4	0.4	1.2
12833	591253	AA160780	50.8	16.0	3.0	0.0	0.0	0.9	0.4	0.4	1.2
14478	772373	AA404564	140.7	15.0	5.0	0.0	0.0	0.9	0.4	0.4	1.2
6625	429173	AA004823	2.9	13.0	9.0	0.0	0.0	0.9	0.7	0	1.2
10186	33500	R43869	106.0	14.0	7.0	0.0	0.0	0.9	0.0	1.2	1.2
1376	293328	N91744	3.2	17.0	1.0	0.0	0.0	0.9	0.3	0.8	1.2
4967	233927	H65984	144.0	14.0	5.0	1.0	0.0	0.9	0.4	0.6	1.2
1842	247859	N58281	91.2	14.0	5.0	1.0	0.0	0.9	0.4	0.6	1.2
3322	261587	H98701	31.8	13.0	7.0	1.0	0.0	0.9	0.4	0.6	1.2
2686	294995	N99553	215.8	13.0	7.0	1.0	0.0	0.9	0.4	0.6	1.2
3061	362694	AA018134	125.7	14.0	5.0	1.0	0.0	0.9	0.4	0.6	1.2
18060	417495	W88653	117.9	13.0	9.0	0.0	0.0	0.9	0.4	0.6	1.2
1015	122684	T99012	4.1	15.0	3.0	1.0	0.0	0.9	0.6	0.4	1.2
6275	234131	H66227	280.9	15.0	3.0	1.0	0.0	0.9	0.6	0.4	1.2
11115	268795	N35418	112.7	13.0	5.0	2.0	0.0	0.9	0.6	0.4	1.2
17719	280799	N47500	111.6	14.0	5.0	1.0	0.0	0.9	0.6	0.4	1.2
11946	128167	R12386	97.2	12.0	7.0	2.0	0.0	0.9	0.9	0	1.2
18894	712544	AA278179	3.3	16.0	3.0	0.0	0.0	0.9	0.9	0	1.2
11351	50559	H16790	95.7	13.0	7.0	1.0	0.0	0.9	0.3	1	1.1
4088	138579	R63241	6.5	12.0	7.0	2.0	0.0	0.9	0.3	1	1.1
5051	769921	AA430504	8.9	8.0	6.0	4.0	1.0	0.9	0.3	1	1.1
10162	272327	N32199	199.8	13.0	5.0	2.0	0.0	0.9	0.6	0.6	1.1
18098	731060	AA421473	6.1	14.0	7.0	0.0	0.0	0.9	0.7	0.4	1.1
680	810923	AA459310	41.6	15.0	5.0	0.0	0.0	0.9	0.7	0.4	1.1
19037	236413	H62421	20.9	13.0	7.0	1.0	0.0	0.9	0.3	1.2	1.1
11192	278755	N62944	3.2	16.0	3.0	0.0	0.0	0.9	0.3	1.2	1.1
4510	111825	T91282	35.3	14.0	5.0	1.0	0.0	0.9	0.4	1	1.1
2986	139226	R68721	90.8	13.0	7.0	1.0	0.0	0.9	0.4	1	1.1
3404	190940	H38086	33.5	13.0	7.0	1.0	0.0	0.9	0.4	1	1.1
1432	193200	H47335	69.9	12.0	7.0	2.0	0.0	0.9	0.4	1	1.1
3381	203791	H56127	58.0	13.0	7.0	1.0	0.0	0.9	0.4	1	1.1
1653	241474	H90415	76.2	14.0	7.0	0.0	0.0	0.9	0.4	1	1.1
2670	248478	N59638	187.5	14.0	5.0	1.0	0.0	0.9	0.4	1	1.1
1857	198169	R95007	2.3	15.0	5.0	0.0	0.0	0.9	0.6	0.8	1.1
13649	268692	N25920	9.8	10.0	4.0	3.0	1.0	0.9	0.6	0.8	1.1
1422	110987	T90369	136.2	11.0	7.0	3.0	0.0	0.9	0.7	0.6	1.1
2961	211202	H67666	223.5	12.0	7.0	2.0	0.0	0.9	0.7	0.6	1.1
12968	267420	N33840	3.1	15.0	3.0	1.0	0.0	0.9	1.1	0	1.1
5279	137178	R37495	2.0	14.0	7.0	0.0	0.0	0.9	0.3	1.4	1.0
4165	204444	H58001	34.2	14.0	7.0	0.0	0.0	0.9	0.4	1.2	1.0
11477	70384	T54474	34.9	14.0	7.0	0.0	0.0	0.9	0.6	1	1.0
11619	298097	W00692	592.2	14.0	5.0	1.0	0.0	0.9	0.6	1	1.0
10677	46411	H09222	6.1	12.0	5.0	3.0	0.0	0.9	1.0	0.4	1.0
6121	230359	H80869	4.4	14.0	7.0	0.0	0.0	0.9	1.0	0.4	1.0
5376	758301	AA404341	2.7	16.0	3.0	0.0	0.0	0.9	1.3	0	1.0
10348	23800	R38381	6.8	11.0	7.0	3.0	0.0	0.9	0.4	1.4	1.0
4512	195974	R91394	40.0	15.0	5.0	0.0	0.0	0.9	0.4	1.4	1.0
20879	295868	W04276	23.5	16.0	3.0	0.0	0.0	0.9	0.6	1.2	1.0
21935	431263	AA682563	10.4	15.0	5.0	0.0	0.0	0.9	0.6	1.2	1.0
15345	812175	AA455404	10.3	15.0	5.0	0.0	0.0	0.9	0.6	1.2	1.0
646	111136	T82270	57.4	12.0	7.0	2.0	0.0	0.9	0.7	1	1.0
5214	111765	T91215	61.2	14.0	7.0	0.0	0.0	0.9	0.7	1	1.0
2266	213496	H70121	26.1	13.0	7.0	1.0	0.0	0.9	0.7	1	1.0
3387	344133	W73590	132.2	12.0	9.0	1.0	0.0	0.9	0.7	1	1.0
282	66562	T67056	5.5	17.0	1.0	0.0	0.0	0.9	0.9	0.8	1.0

Table 4

14324	122435	T99288	8.4	13.0	5.0	2.0	0.0	0.9	0.9	0.8	1.0
106	123666	R02740	2.6	16.0	3.0	0.0	0.0	0.9	0.9	0.8	1.0
9005	501901	AA128027	2.4	15.0	3.0	1.0	0.0	0.9	0.9	0.8	1.0
4217	206895	R98687	13.1	12.0	7.0	2.0	0.0	0.9	1.0	0.6	1.0
21512	815847	AA484971	4.4	15.0	5.0	0.0	0.0	0.9	1.0	0.6	1.0
7172	77193	T50121	15.1	13.0	7.0	1.0	0.0	0.9	1.1	0.4	1.0
13968	246552	N57659	40.4	14.0	7.0	0.0	0.0	0.9	0.7	1.2	1.0
3826	292559	N80384	10.7	14.0	7.0	0.0	0.0	0.9	0.7	1.2	1.0
1142	297411	N80145	26.6	14.0	7.0	0.0	0.0	0.9	0.7	1.2	1.0
19040	450402	AA682863	29.4	14.0	7.0	0.0	0.0	0.9	0.7	1.2	1.0
556	66534	T67007	15.5	14.0	5.0	1.0	0.0	0.9	0.9	1	1.0
986	66606	T67137	3.8	17.0	1.0	0.0	0.0	0.9	1.0	0.8	1.0
18928	178161	H46093	3.8	14.0	7.0	0.0	0.0	0.9	1.0	0.8	1.0
607	179426	H50505	2.8	17.0	1.0	0.0	0.0	0.9	1.0	0.8	1.0
1010	66630	T67182	4.5	17.0	1.0	0.0	0.0	0.9	0.9	1.2	0.9
638	111101	T82259	23.6	15.0	5.0	0.0	0.0	0.9	1.0	1	0.9
5958	229701	H66470	6.4	15.0	5.0	0.0	0.0	0.9	1.0	1	0.9
22187	433465	AA699567	3.3	16.0	3.0	0.0	0.0	0.9	1.0	1	0.9
13434	726595	AA397918	93.5	15.0	5.0	0.0	0.0	0.9	1.0	1	0.9
2304	244896	N76215	3.3	14.0	7.0	0.0	0.0	0.9	1.1	0.8	0.9
11261	489866	AA115121	3.0	15.0	5.0	0.0	0.0	0.9	1.1	0.8	0.9
5205	196005	R91804	6.4	14.0	5.0	1.0	0.0	0.9	1.3	0.6	0.9
12746	271670	N35070	99.0	14.0	7.0	0.0	0.0	0.9	1.4	0.4	0.9
21908	450041	AA703383	41.0	11.0	7.0	3.0	0.0	0.9	1.4	0.4	0.9
3731	127666	R09574	6.0	14.0	5.0	1.0	0.0	0.9	0.9	1.4	0.9
8602	134997	R31843	7.0	12.0	5.0	3.0	0.0	0.9	0.9	1.4	0.9
1090	245765	N55272	2.4	15.0	5.0	0.0	0.0	0.9	0.9	1.4	0.9
7871	358838	W94574	5.0	14.0	5.0	1.0	0.0	0.9	0.9	1.4	0.9
5783	28012	R13317	23.2	13.0	7.0	1.0	0.0	0.9	1.0	1.2	0.9
6976	270896	N32498	4.0	16.0	3.0	0.0	0.0	0.9	1.0	1.2	0.9
18960	178255	H46748	3.1	15.0	5.0	0.0	0.0	0.9	1.1	1	0.9
4666	742143	AA406027	4.7	16.0	3.0	0.0	0.0	0.9	1.1	1	0.9
4224	66950	T67523	2.6	15.0	5.0	0.0	0.0	0.9	1.3	0.8	0.9
18596	435758	AA700793	3.4	15.0	5.0	0.0	0.0	0.9	1.3	0.8	0.9
1074	245556	N55165	69.4	14.0	5.0	1.0	0.0	0.9	1.0	1.4	0.8
1130	246144	N76979	31.5	11.0	7.0	3.0	0.0	0.9	1.0	1.4	0.8
4498	210923	H69787	13.2	14.0	7.0	0.0	0.0	0.9	1.1	1.2	0.8
634	108197	T69772	5.5	16.0	3.0	0.0	0.0	0.9	1.3	1	0.8
8218	278956	N66653	2.5	14.0	7.0	0.0	0.0	0.9	1.3	1	0.8
18720	222400	H83995	4.4	12.0	7.0	2.0	0.0	0.9	1.4	0.8	0.8
18443	205628	H57585	6.4	15.0	5.0	0.0	0.0	0.9	1.1	1.4	0.8
235	293336	N64734	13.7	16.0	3.0	0.0	0.0	0.9	1.1	1.4	0.8
1495	810664	AA464108	6.6	14.0	5.0	1.0	0.0	0.9	1.1	1.4	0.8
14580	1155071	AA706301	7.6	13.0	7.0	1.0	0.0	0.9	1.3	1.2	0.8
22248	461372	AA704902	15.2	15.0	5.0	0.0	0.0	0.9	1.4	1.4	0.7
23517	853493	AA663552	48.7	15.0	4.0	0.0	0.0	0.9	1.6	0.5	1.3
12193	83358	T68510	16.6	10.0	6.0	4.0	0.0	0.9	1.7	0	0.9
17865	31811	R41724	6.3	14.0	4.0	1.0	0.0	0.9	0.6	2	0.8
11228	279569	N48292	2.4	16.0	2.0	0.0	0.0	0.9	0.9	1.6	0.8
10463	428379	AA005351	2.3	16.0	2.0	0.0	0.0	0.9	0.9	1.6	0.8
13259	1031911	AA609746	4.8	16.0	2.0	0.0	0.0	0.9	0.9	1.6	0.8
3291	121341	T86871	7.7	15.0	4.0	0.0	0.0	0.9	0.9	1.8	0.8
18139	290561	N62376	300.2	14.0	6.0	0.0	0.0	0.9	0.9	1.8	0.8
20063	430720	AA678087	5.9	14.0	4.0	1.0	0.0	0.9	1.0	1.6	0.8
18896	826353	AA521035	11.6	14.0	6.0	0.0	0.0	0.9	1.0	1.6	0.8
11505	73755	T54735	6.2	15.0	4.0	0.0	0.0	0.9	1.6	0.8	0.8
18152	1031561	AA609300	3.1	14.0	6.0	0.0	0.0	0.9	1.6	0.8	0.8

Table 4

15926	753794	AA406115	5.6	11.0	8.0	2.0	0.0	0.9	1.9	0.4	0.8
10904	236155	H61758	4.6	15.0	2.0	1.0	0.0	0.9	0.7	2.2	0.7
1025	110519	T82993	9.4	16.0	2.0	0.0	0.0	0.9	1.3	1.8	0.6
6020	295229	N75967	12.4	14.0	6.0	0.0	0.0	0.9	1.4	1.6	0.6
11302	108851	T78906	15.0	14.0	4.0	1.0	0.0	0.9	1.6	1.4	0.6
15928	1056172	AA620995	18.1	11.0	6.0	3.0	0.0	0.9	1.6	1.4	0.6
19232	231718	H92875	4.0	11.0	3.0	2.0	1.0	0.9	0.3	3.4	0.6
19497	395902	AA757466	13.1	10.0	5.0	2.0	1.0	0.9	2.1	1.6	0.4
19528	450515	AA704222	24.0	7.0	5.0	5.0	1.0	0.9	2.1	3	0.2
26130	1474900	AA878048	21.2	11.0	5.0	1.0	1.0	0.9	1.0	0.5	1.4
7601	41607	R54176	237.1	13.0	6.0	1.0	0.0	0.9	0.0	0	1.4
17283	289480	N59234	204.7	14.0	6.0	0.0	0.0	0.9	0.0	0	1.4
7440	293925	N98412	144.8	15.0	4.0	0.0	0.0	0.9	0.0	0	1.4
22784	48520	H14374	53.0	13.0	6.0	1.0	0.0	0.9	1.4	0.5	1.3
14493	247698	N54274	585.0	15.0	4.0	0.0	0.0	0.9	0.3	0	1.3
13274	289402	N99715	739.2	13.0	6.0	1.0	0.0	0.9	0.3	0	1.3
14381	629701	AA218673	146.8	15.0	2.0	1.0	0.0	0.9	0.3	0	1.3
11669	809479	AA443121	5.7	11.0	5.0	1.0	1.0	0.9	0.3	0	1.3
6972	239615	H79538	62.7	16.0	2.0	0.0	0.0	0.9	0.0	0.8	1.2
9377	271926	N35250	467.5	12.0	6.0	2.0	0.0	0.9	0.3	0.4	1.2
14628	784142	AA432081	253.2	16.0	2.0	0.0	0.0	0.9	0.3	0.4	1.2
9737	795315	AA451830	109.8	13.0	4.0	2.0	0.0	0.9	0.3	0.4	1.2
18326	1031598	AA609474	18.3	12.0	6.0	2.0	0.0	0.9	0.3	0.4	1.2
5329	233719	H79046	1.9	12.0	3.0	1.0	1.0	0.9	0.6	0	1.2
11376	33022	R19337	65.3	8.0	6.0	6.0	0.0	0.9	0.0	1	1.2
9488	51395	H19415	24.6	9.0	6.0	5.0	0.0	0.9	0.0	1	1.2
12397	511302	AA086005	5.9	14.0	4.0	1.0	0.0	0.9	0.0	1	1.2
3365	204098	H55897	50.6	12.0	6.0	2.0	0.0	0.9	0.3	0.6	1.2
6599	365955	AA063598	184.9	13.0	4.0	2.0	0.0	0.9	0.3	0.6	1.2
17195	37682	R61504	46.1	14.0	6.0	0.0	0.0	0.9	0.4	0.4	1.2
5354	115223	T86603	41.7	14.0	4.0	1.0	0.0	0.9	0.4	0.4	1.2
4615	195138	R91263	130.4	13.0	8.0	0.0	0.0	0.9	0.4	0.4	1.2
20867	214193	H71421	5.8	14.0	6.0	0.0	0.0	0.9	0.4	0.4	1.2
13099	263839	N28500	48.1	15.0	4.0	0.0	0.0	0.9	0.4	0.4	1.2
3055	268951	N40434	73.4	13.0	6.0	1.0	0.0	0.9	0.4	0.4	1.2
14106	309119	N98238	133.9	15.0	4.0	0.0	0.0	0.9	0.4	0.4	1.2
27684	37820	R59359	56.9	14.0	6.0	0.0	0.0	0.9	1.4	1.3	1.2
1786	67070	T70344	50.4	14.0	4.0	1.0	0.0	0.9	0.3	0.8	1.1
18569	395409	AA757414	54.6	17.0	0.0	0.0	0.0	0.9	0.3	0.8	1.1
16375	42331	R61821	71.9	12.0	8.0	1.0	0.0	0.9	0.4	0.6	1.1
275	127173	R08153	56.6	14.0	4.0	1.0	0.0	0.9	0.4	0.6	1.1
390	213280	H69834	124.4	14.0	6.0	0.0	0.0	0.9	0.4	0.6	1.1
6110	233299	H77506	108.2	13.0	6.0	1.0	0.0	0.9	0.4	0.6	1.1
4835	295492	N74915	291.4	13.0	6.0	1.0	0.0	0.9	0.4	0.6	1.1
973	711857	AA281189	126.7	13.0	6.0	1.0	0.0	0.9	0.4	0.6	1.1
14401	257170	N41554	317.1	14.0	6.0	0.0	0.0	0.9	0.6	0.4	1.1
13231	839837	AA489826	334.7	12.0	6.0	2.0	0.0	0.9	0.6	0.4	1.1
16971	772962	AA476258	128.7	15.0	4.0	0.0	0.0	0.9	0.9	0	1.1
11897	51242	H19343	2.3	10.0	8.0	3.0	0.0	0.9	0.3	1	1.1
1816	160628	H25020	3.6	9.0	5.0	3.0	1.0	0.9	0.3	1	1.1
7776	292085	N73316	15.2	15.0	4.0	0.0	0.0	0.9	0.3	1	1.1
20616	383958	AA702728	33.5	16.0	2.0	0.0	0.0	0.9	0.3	1	1.1
9691	782688	AA448092	25.4	13.0	6.0	1.0	0.0	0.9	0.3	1	1.1
18410	30714	R18613	7.9	14.0	6.0	0.0	0.0	0.9	0.4	0.8	1.1
10716	51604	H19375	4.6	12.0	6.0	2.0	0.0	0.9	0.6	0.6	1.1
7063	342108	W60326	33.5	12.0	6.0	2.0	0.0	0.9	0.6	0.6	1.1
6684	745343	AA625655	4.1	11.0	3.0	2.0	1.0	0.9	1.0	0	1.1

Table 4

705	208383	H62842	3.7	15.0	4.0	0.0	0.0	0.9	0.3	1.2	1.0
7388	291342	W03000	1.3	13.0	8.0	0.0	0.0	0.9	0.3	1.2	1.0
8753	50613	H17511	2.1	11.0	6.0	3.0	0.0	0.9	0.4	1	1.0
6016	196345	R92455	143.0	13.0	6.0	1.0	0.0	0.9	0.4	1	1.0
4586	212406	H69876	75.2	14.0	6.0	0.0	0.0	0.9	0.4	1	1.0
3045	234320	H95239	54.6	13.0	8.0	0.0	0.0	0.9	0.4	1	1.0
2657	199623	R96516	2.5	15.0	2.0	1.0	0.0	0.9	0.6	0.8	1.0
21267	700646	AA284031	76.1	15.0	4.0	0.0	0.0	0.9	0.6	0.8	1.0
14334	810964	AI734197	297.3	16.0	2.0	0.0	0.0	0.9	0.6	0.8	1.0
5757	208434	H62167	25.2	14.0	6.0	0.0	0.0	0.9	0.7	0.6	1.0
5743	203348	H54285	2.5	16.0	2.0	0.0	0.0	0.9	0.9	0.4	1.0
4179	213754	H72315	8.9	16.0	2.0	0.0	0.0	0.9	0.9	0.4	1.0
4935	234664	H77737	2.5	14.0	6.0	0.0	0.0	0.9	0.9	0.4	1.0
1906	248601	N59800	3.4	16.0	2.0	0.0	0.0	0.9	0.9	0.4	1.0
5949	258790	N40841	4.6	16.0	2.0	0.0	0.0	0.9	0.9	0.4	1.0
6618	283461	N50647	5.8	15.0	4.0	0.0	0.0	0.9	0.9	0.4	1.0
7990	593183	AA159688	7.5	14.0	6.0	0.0	0.0	0.9	1.1	0	1.0
16757	278168	N63529	11.5	14.0	4.0	1.0	0.0	0.9	0.3	1.4	1.0
6628	360854	AA011047	1.7	15.0	2.0	1.0	0.0	0.9	0.3	1.4	1.0
8213	809960	AA454827	3.0	16.0	2.0	0.0	0.0	0.9	0.3	1.4	1.0
5584	139593	R64203	2.3	15.0	4.0	0.0	0.0	0.9	0.6	1	1.0
22227	701385	AA287928	117.1	16.0	2.0	0.0	0.0	0.9	0.6	1	1.0
592	194395	R83160	5.6	13.0	4.0	2.0	0.0	0.9	0.7	0.8	1.0
6243	134206	R31910	3.5	13.0	8.0	0.0	0.0	0.9	0.9	0.6	1.0
18232	1031820	AA609666	54.9	14.0	6.0	0.0	0.0	0.9	1.0	0.4	1.0
18221	299559	N74995	8.0	13.0	4.0	2.0	0.0	0.9	0.4	1.4	1.0
2159	125040	R17939	2.5	17.0	0.0	0.0	0.0	0.9	0.6	1.2	1.0
4211	230116	H78796	30.3	15.0	4.0	0.0	0.0	0.9	0.7	1	1.0
16405	239943	H81938	208.8	15.0	4.0	0.0	0.0	0.9	0.7	1	1.0
283	246074	N76944	16.5	15.0	4.0	0.0	0.0	0.9	0.7	1	1.0
21989	486288	AA044206	8.0	11.0	6.0	3.0	0.0	0.9	0.7	1	1.0
4898	296181	N70017	2.9	16.0	2.0	0.0	0.0	0.9	0.9	0.8	1.0
8224	429557	AA011466	5.7	15.0	2.0	1.0	0.0	0.9	0.9	0.8	1.0
18779	431330	AA706753	3.3	15.0	4.0	0.0	0.0	0.9	0.9	0.8	1.0
675	768344	AA424996	2.1	14.0	6.0	0.0	0.0	0.9	0.9	0.8	1.0
12874	781474	AA432295	2.4	14.0	6.0	0.0	0.0	0.9	0.9	0.8	1.0
13592	842766	AA486293	82.9	17.0	0.0	0.0	0.0	0.9	0.9	0.8	1.0
1152	256515	H95141	2.1	13.0	6.0	1.0	0.0	0.9	1.0	0.6	1.0
4856	139656	R63899	2.7	9.0	8.0	4.0	0.0	0.9	1.1	0.4	1.0
1855	1046522	AA621150	4.2	15.0	2.0	1.0	0.0	0.9	1.1	0.4	1.0
5443	31842	R41839	7.6	12.0	4.0	3.0	0.0	0.9	0.6	1.4	0.9
1533	246276	N59413	69.7	11.0	6.0	3.0	0.0	0.9	0.6	1.4	0.9
2194	126882	R07312	6.0	15.0	4.0	0.0	0.0	0.9	0.7	1.2	0.9
14904	450574	AA704255	6.2	11.0	8.0	2.0	0.0	0.9	0.7	1.2	0.9
6292	245542	N72523	30.4	15.0	4.0	0.0	0.0	0.9	1.0	0.8	0.9
193	363377	AA019591	16.0	15.0	4.0	0.0	0.0	0.9	1.0	0.8	0.9
20004	436065	AA700817	6.7	14.0	6.0	0.0	0.0	0.9	1.0	0.8	0.9
1009	66864	T64994	78.7	11.0	6.0	3.0	0.0	0.9	0.7	1.4	0.9
5224	195513	R92176	4.3	16.0	2.0	0.0	0.0	0.9	0.9	1.2	0.9
1362	110893	T90290	25.6	14.0	6.0	0.0	0.0	0.9	1.0	1	0.9
12812	201039	H48278	5.8	14.0	6.0	0.0	0.0	0.9	1.0	1	0.9
9719	415144	W95076	2.2	14.0	6.0	0.0	0.0	0.9	1.0	1	0.9
14483	38356	R49568	1.4	14.0	6.0	0.0	0.0	0.9	1.1	0.8	0.9
10268	79240	T58129	7.7	11.0	6.0	3.0	0.0	0.9	1.1	0.8	0.9
10371	416128	W86002	41.3	13.0	8.0	0.0	0.0	0.9	1.1	0.8	0.9
17946	490089	AA136082	3.1	15.0	4.0	0.0	0.0	0.9	1.1	0.8	0.9
8998	782840	AA448271	40.6	13.0	4.0	2.0	0.0	0.9	1.1	0.8	0.9

Table 4

11542	124742	R00933	8.3	14.0	6.0	0.0	0.0	0.9	1.3	0.6	0.9
15350	35769	R45367	86.6	15.0	4.0	0.0	0.0	0.9	1.4	0.4	0.9
4242	196612	R92994	3.7	16.0	2.0	0.0	0.0	0.9	1.4	0.4	0.9
1043	206544	H50022	3.9	16.0	2.0	0.0	0.0	0.9	1.0	1.2	0.8
22026	814018	AA455714	10.1	14.0	6.0	0.0	0.0	0.9	1.3	0.8	0.8
1350	128503	R10159	9.1	14.0	6.0	0.0	0.0	0.9	1.1	1.2	0.8
15843	243602	N49717	30.2	14.0	6.0	0.0	0.0	0.9	1.3	1	0.8
4889	361656	W96273	4.8	16.0	2.0	0.0	0.0	0.9	1.3	1	0.8
6265	366590	AA026695	31.3	15.0	4.0	0.0	0.0	0.9	1.3	1	0.8
11685	418297	W90748	13.7	12.0	6.0	2.0	0.0	0.9	1.3	1	0.8
18852	451596	AA707080	88.4	16.0	2.0	0.0	0.0	0.9	1.3	1	0.8
251	295583	N66842	3.8	15.0	2.0	1.0	0.0	0.9	1.4	0.8	0.8
9059	51210	H19227	3.6	11.0	6.0	3.0	0.0	0.9	1.1	1.4	0.8
244	133130	R28397	12.4	14.0	6.0	0.0	0.0	0.9	1.1	1.4	0.8
5372	376652	AA045257	13.1	14.0	6.0	0.0	0.0	0.9	1.3	1.2	0.8
26237	858877	AA666363	519.3	12.0	5.0	2.0	0.0	0.9	0.4	0.0	1.6
27800	1574693	AA969650	19.1	11.0	5.0	3.0	0.0	0.9	0.4	0.0	1.6
24827	1033388	AA621408	77.7	13.0	5.0	1.0	0.0	0.9	0.4	0.5	1.5
25748	1558642	AA976544	13.8	10.0	9.0	2.0	0.0	0.9	1.8	0.0	1.3
26138	1475476	AA857809	5.6	9.0	4.0	3.0	1.0	0.9	0.0	2.5	1.2
23956	1457266	AA911827	8.0	12.0	7.0	1.0	0.0	0.9	1.6	0.5	1.2
25157	40040	R53971	4.1	11.0	7.0	2.0	0.0	0.9	0.8	2.3	1.1
7533	32304	R42894	8.7	11.0	5.0	3.0	0.0	0.9	0.0	2	0.9
3398	243460	N39018	22.7	11.0	7.0	2.0	0.0	0.9	0.3	1.6	0.9
22183	435596	AA703159	5.8	13.0	5.0	1.0	0.0	0.9	0.3	1.6	0.9
1528	811028	AA485530	62.2	10.0	9.0	2.0	0.0	0.9	0.3	1.6	0.9
18189	290213	N92175	4.1	14.0	3.0	1.0	0.0	0.9	0.3	1.8	0.9
4221	207370	H58834	9.6	11.0	7.0	2.0	0.0	0.9	0.4	1.6	0.9
21030	713114	AA282985	5.3	10.0	4.0	2.0	1.0	0.9	0.0	2.4	0.8
1423	129624	R16557	2.9	14.0	5.0	0.0	0.0	0.9	0.3	2	0.8
2685	207448	H60120	14.4	7.0	6.0	4.0	1.0	0.9	0.3	2	0.8
19569	396085	AA757711	33.2	14.0	3.0	1.0	0.0	0.9	0.6	1.6	0.8
16870	37505	R51103	6.3	10.0	6.0	1.0	1.0	0.9	0.0	2.6	0.8
19735	434864	AA701232	7.4	13.0	5.0	1.0	0.0	0.9	1.7	0.4	0.8
7368	505597	AA147654	4.9	14.0	3.0	1.0	0.0	0.9	0.9	1.8	0.7
9655	283919	N50797	30.9	13.0	5.0	1.0	0.0	0.9	1.0	1.6	0.7
17722	730739	AA436097	48.1	12.0	5.0	2.0	0.0	0.9	1.9	0.4	0.7
2579	120973	T96132	32.8	11.0	5.0	3.0	0.0	0.9	1.0	1.8	0.7
18100	418337	W92715	16.4	15.0	3.0	0.0	0.0	0.9	1.1	1.8	0.6
1001	66335	T66831	6.1	15.0	3.0	0.0	0.0	0.9	1.3	1.8	0.6
20933	742049	AA401457	76.0	11.0	4.0	1.0	1.0	0.9	1.7	1.2	0.6
19295	434822	AA703114	4.8	13.0	5.0	1.0	0.0	0.8	1.9	1.6	0.5
11074	755581	AA419143	71.0	7.0	5.0	2.0	2.0	0.9	2.9	0.6	0.4
3201	220096	H82636	3.3	8.0	3.0	2.0	2.0	0.9	0.3	5	0.2
12113	45578	H08016	3.7	11.0	5.0	3.0	0.0	0.9	3.1	1	0.2
14051	1031182	AA609955	9.6	11.0	5.0	3.0	0.0	0.9	0.0	0	1.3
7621	67187	T52651	358.6	13.0	5.0	1.0	0.0	0.9	0.0	0.4	1.2
16336	29583	R42218	228.7	15.0	3.0	0.0	0.0	0.9	0.3	0	1.2
13355	39178	R54416	161.6	14.0	5.0	0.0	0.0	0.9	0.3	0	1.2
17882	275730	R94845	15.8	13.0	5.0	1.0	0.0	0.9	0.3	0	1.2
11392	33693	R44707	67.5	10.0	7.0	3.0	0.0	0.9	0.0	0.6	1.2
8032	45999	H09317	99.1	10.0	7.0	3.0	0.0	0.9	0.0	0.6	1.2
9856	51606	H18936	2.4	9.0	6.0	2.0	1.0	0.9	0.0	0.8	1.2
10816	260022	N47842	8.2	15.0	3.0	0.0	0.0	0.9	0.0	0.8	1.2
22102	204437	H57483	46.0	11.0	5.0	3.0	0.0	0.9	0.3	0.4	1.2
18325	292130	N68075	381.1	15.0	3.0	0.0	0.0	0.9	0.3	0.4	1.2
9310	770954	AA429367	115.5	12.0	5.0	2.0	0.0	0.9	0.3	0.4	1.2

Table 4

9420	74114	T54914	4.4	13.0	7.0	0.0	0.0	0.9	0.6	0	1.2
10665	51907	H23556	71.1	12.0	7.0	1.0	0.0	0.9	0.0	1	1.1
6268	203554	H56029	230.0	11.0	7.0	2.0	0.0	0.9	0.0	1	1.1
11124	25983	R37410	1.0	12.0	5.0	2.0	0.0	0.9	0.3	0.6	1.1
1978	128159	R11490	6.3	13.0	5.0	1.0	0.0	0.9	0.3	0.6	1.1
22039	155542	R71737	621.8	14.0	3.0	1.0	0.0	0.9	0.3	0.6	1.1
20859	214158	H77595	395.9	14.0	3.0	1.0	0.0	0.9	0.3	0.6	1.1
10940	416744	W86701	20.9	10.0	7.0	3.0	0.0	0.9	0.3	0.6	1.1
9591	587398	AA130350	136.0	11.0	7.0	2.0	0.0	0.9	0.3	0.6	1.1
1070	296330	N74456	19.6	14.0	5.0	0.0	0.0	0.9	0.4	0.4	1.1
14727	840514	AA485969	166.2	12.0	5.0	2.0	0.0	0.9	0.4	0.4	1.1
8773	46907	H10254	2.4	12.0	7.0	1.0	0.0	0.9	0.7	0	1.1
20971	399101	AA733027	5.4	8.0	6.0	3.0	1.0	0.9	0.7	0	1.1
13953	613303	AA181600	34.2	16.0	1.0	0.0	0.0	0.9	0.7	0	1.1
4694	130541	R22459	74.2	15.0	3.0	0.0	0.0	0.9	0.3	0.8	1.1
3017	234080	H69004	31.7	13.0	5.0	1.0	0.0	0.9	0.3	0.8	1.1
3287	123817	R00545	206.5	11.0	7.0	2.0	0.0	0.9	0.4	0.6	1.1
1830	130916	R22340	102.8	13.0	7.0	0.0	0.0	0.9	0.4	0.6	1.1
16804	180179	R85537	5.8	14.0	5.0	0.0	0.0	0.9	0.4	0.6	1.1
1758	206816	R98295	238.6	13.0	5.0	1.0	0.0	0.9	0.4	0.6	1.1
3323	207379	H58884	78.6	11.0	7.0	2.0	0.0	0.9	0.4	0.6	1.1
1484	257823	N30639	113.6	12.0	5.0	2.0	0.0	0.9	0.4	0.6	1.1
7688	264105	N28968	81.6	13.0	7.0	0.0	0.0	0.9	0.4	0.6	1.1
3366	295324	W04231	89.0	12.0	7.0	1.0	0.0	0.9	0.4	0.6	1.1
2994	295389	W05000	81.6	13.0	5.0	1.0	0.0	0.9	0.4	0.6	1.1
14866	343235	W67368	582.5	12.0	5.0	2.0	0.0	0.9	0.4	0.6	1.1
14356	126540	R06754	147.7	15.0	3.0	0.0	0.0	0.9	0.6	0.4	1.1
17738	950461	AA599107	483.5	13.0	3.0	2.0	0.0	0.9	0.9	0	1.1
43	41658	R66426	182.7	14.0	5.0	0.0	0.0	0.9	0.3	1	1.0
13585	593174	AA159605	61.7	14.0	5.0	0.0	0.0	0.9	0.6	0.6	1.0
9407	811142	AA485731	66.0	12.0	5.0	2.0	0.0	0.9	0.6	0.6	1.0
13927	839903	AA490058	12.0	14.0	5.0	0.0	0.0	0.9	0.6	0.6	1.0
11795	378813	AA683520	97.0	12.0	7.0	1.0	0.0	0.9	0.7	0.4	1.0
21634	129375	R12708	93.7	13.0	7.0	0.0	0.0	0.9	0.3	1.2	1.0
611	126401	R06569	23.4	11.0	7.0	2.0	0.0	0.9	0.4	1	1.0
2629	203122	H54423	67.4	11.0	7.0	2.0	0.0	0.9	0.4	1	1.0
3382	239712	H80519	294.4	13.0	7.0	0.0	0.0	0.9	0.4	1	1.0
640	242778	H93602	22.4	14.0	5.0	0.0	0.0	0.9	0.4	1	1.0
3730	247710	N58198	273.4	13.0	7.0	0.0	0.0	0.9	0.4	1	1.0
15646	306621	W23890	105.3	15.0	3.0	0.0	0.0	0.9	0.4	1	1.0
8791	796357	AA456139	4.4	13.0	5.0	1.0	0.0	0.9	0.6	0.8	1.0
4886	38465	R49470	47.1	11.0	7.0	2.0	0.0	0.9	0.7	0.6	1.0
528	66336	T66832	6.6	12.0	7.0	1.0	0.0	0.9	0.7	0.6	1.0
14797	126549	R08859	279.5	14.0	5.0	0.0	0.0	0.9	0.7	0.6	1.0
13595	264427	N21228	126.4	14.0	5.0	0.0	0.0	0.9	0.7	0.6	1.0
3442	297437	N80160	48.8	12.0	5.0	2.0	0.0	0.9	0.7	0.6	1.0
18068	417715	W88693	23.0	15.0	3.0	0.0	0.0	0.9	0.7	0.6	1.0
14930	726709	AA398267	4.2	12.0	7.0	1.0	0.0	0.9	0.7	0.6	1.0
1523	289417	N63951	3.9	15.0	3.0	0.0	0.0	0.9	0.9	0.4	1.0
2995	366821	AA029509	3.5	14.0	5.0	0.0	0.0	0.9	0.9	0.4	1.0
8021	50240	H17063	8.7	11.0	7.0	2.0	0.0	0.9	0.3	1.4	1.0
5248	294968	N99519	4.2	15.0	3.0	0.0	0.0	0.9	0.3	1.4	1.0
10299	609161	AA167540	17.2	15.0	3.0	0.0	0.0	0.9	0.3	1.4	1.0
5366	125685	R07594	35.5	13.0	7.0	0.0	0.0	0.9	0.4	1.2	1.0
4839	127354	R08359	13.1	12.0	7.0	1.0	0.0	0.9	0.4	1.2	1.0
1877	202802	H53599	35.7	12.0	9.0	0.0	0.0	0.9	0.4	1.2	1.0
5610	294040	N68497	32.0	11.0	9.0	1.0	0.0	0.9	0.4	1.2	1.0



Table 4

16726	1030543	AA608923	75.3	13.0	7.0	0.0	0.0	0.9	0.4	1.2	1.0
6776	33860	R20026	49.0	10.0	7.0	3.0	0.0	0.9	0.6	1	1.0
11248	590692	AA156385	23.6	14.0	5.0	0.0	0.0	0.9	0.6	1	1.0
15763	281545	N51601	57.9	15.0	3.0	0.0	0.0	0.9	0.7	0.8	1.0
7209	41548	R66415	15.9	13.0	5.0	1.0	0.0	0.9	0.9	0.6	1.0
10030	120678	T95650	63.4	12.0	5.0	2.0	0.0	0.9	0.9	0.6	1.0
16279	139304	R63760	173.2	14.0	5.0	0.0	0.0	0.9	1.0	0.4	1.0
14219	282741	N49969	74.1	15.0	3.0	0.0	0.0	0.9	1.0	0.4	1.0
4607	810809	AA458882	10.8	13.0	5.0	1.0	0.0	0.9	1.0	0.4	1.0
15869	840786	AA486144	33.3	16.0	1.0	0.0	0.0	0.9	1.0	0.4	1.0
8389	841046	AA486747	11.8	13.0	7.0	0.0	0.0	0.9	1.3	0	1.0
3706	113431	T78487	17.9	12.0	5.0	2.0	0.0	0.9	0.4	1.4	0.9
4884	136632	R34857	23.9	11.0	7.0	2.0	0.0	0.9	0.4	1.4	0.9
4364	208741	H63090	4.6	15.0	3.0	0.0	0.0	0.9	0.6	1.2	0.9
333	247194	N54036	3.2	14.0	3.0	1.0	0.0	0.9	0.6	1.2	0.9
20672	383938	AA702714	35.6	14.0	5.0	0.0	0.0	0.9	0.6	1.2	0.9
19972	436097	AA700843	2.9	14.0	5.0	0.0	0.0	0.9	0.6	1.2	0.9
22180	454121	AA677013	3.7	16.0	1.0	0.0	0.0	0.9	0.6	1.2	0.9
10351	781461	AA432324	15.2	13.0	7.0	0.0	0.0	0.9	0.6	1.2	0.9
18043	43849	H04992	39.4	11.0	7.0	2.0	0.0	0.9	0.7	1	0.9
1029	110980	T90360	49.0	10.0	7.0	3.0	0.0	0.9	0.7	1	0.9
5633	122178	T98616	15.8	11.0	7.0	2.0	0.0	0.9	0.7	1	0.9
2184	193713	H48115	6.6	12.0	5.0	2.0	0.0	0.9	0.7	1	0.9
5590	201264	R99311	8.1	14.0	5.0	0.0	0.0	0.9	0.7	1	0.9
2545	243260	H95824	111.6	9.0	7.0	4.0	0.0	0.9	0.7	1	0.9
14477	247265	N54061	41.0	15.0	3.0	0.0	0.0	0.9	0.7	1	0.9
14794	327748	W23441	59.0	14.0	5.0	0.0	0.0	0.9	0.7	1	0.9
5210	124965	R06160	3.1	16.0	1.0	0.0	0.0	0.9	0.9	0.8	0.9
4804	135901	R33616	3.9	16.0	1.0	0.0	0.0	0.9	0.9	0.8	0.9
17064	233174	H75737	103.1	15.0	3.0	0.0	0.0	0.9	0.9	0.8	0.9
3275	294892	N71442	4.4	15.0	3.0	0.0	0.0	0.9	0.9	0.8	0.9
13361	754485	AA410190	52.4	15.0	3.0	0.0	0.0	0.9	0.9	0.8	0.9
15055	839527	AA491457	3.6	13.0	5.0	1.0	0.0	0.9	0.9	0.8	0.9
9706	347516	W81410	116.9	13.0	7.0	0.0	0.0	0.9	1.0	0.6	0.9
17075	730970	AA416552	14.2	11.0	7.0	2.0	0.0	0.9	1.4	0	0.9
3001	212098	H68932	6.4	13.0	5.0	1.0	0.0	0.9	0.6	1.4	0.9
19656	382345	AA063459	21.0	14.0	5.0	0.0	0.0	0.9	0.7	1.2	0.9
8844	276920	N39449	14.8	13.0	5.0	1.0	0.0	0.9	0.9	1	0.9
4212	277138	N40919	3.0	15.0	3.0	0.0	0.0	0.9	0.9	1	0.9
3800	429799	AA009773	11.5	14.0	3.0	1.0	0.0	0.9	0.9	1	0.9
16998	731205	AA417275	3.5	16.0	1.0	0.0	0.0	0.9	0.9	1	0.9
5996	135789	R33353	2.9	14.0	5.0	0.0	0.0	0.9	1.0	0.8	0.9
6006	245742	N76858	3.0	16.0	1.0	0.0	0.0	0.9	1.0	0.8	0.9
15439	282475	N49850	33.8	15.0	3.0	0.0	0.0	0.9	1.0	0.8	0.9
11999	298065	N70740	5.8	15.0	3.0	0.0	0.0	0.9	1.0	0.8	0.9
12605	767739	AA418200	2.1	15.0	3.0	0.0	0.0	0.9	1.0	0.8	0.9
3750	132871	R27505	12.1	7.0	6.0	4.0	1.0	0.9	1.1	0.6	0.9
7054	430068	AA009830	101.0	14.0	5.0	0.0	0.0	0.9	1.1	0.6	0.9
10774	810326	AA464142	31.9	12.0	9.0	0.0	0.0	0.9	1.3	0.4	0.9
2509	127119	R08032	18.0	10.0	7.0	3.0	0.0	0.9	0.7	1.4	0.8
6988	251407	H97976	5.8	15.0	3.0	0.0	0.0	0.9	0.7	1.4	0.8
3806	293835	N65995	22.2	10.0	7.0	3.0	0.0	0.9	1.0	1	0.8
12783	324154	W46632	855.4	12.0	5.0	2.0	0.0	0.9	1.0	1	0.8
11922	429626	AA011551	43.8	15.0	3.0	0.0	0.0	0.9	1.1	0.8	0.8
20791	686690	AA259131	2.9	14.0	5.0	0.0	0.0	0.9	1.1	0.8	0.8
1515	320254	W31650	4.1	16.0	1.0	0.0	0.0	0.9	0.9	1.4	0.8
582	137182	R37496	4.7	15.0	3.0	0.0	0.0	0.9	1.3	0.8	0.8

Table 4

10857	343298	W68162	2.9	14.0	5.0	0.0	0.0	0.9	1.0	1.4	0.8
21932	450068	AA703394	3.0	16.0	1.0	0.0	0.0	0.9	1.1	1.2	0.8
2983	366933	AA027316	5.6	15.0	3.0	0.0	0.0	0.9	1.3	1	0.8
2930	108763	T77784	4.9	15.0	3.0	0.0	0.0	0.9	1.1	1.4	0.7
3654	111884	T84996	4.1	16.0	1.0	0.0	0.0	0.9	1.1	1.4	0.7
4078	201301	R99573	10.9	13.0	5.0	1.0	0.0	0.9	1.3	1.2	0.7
3736	195668	R89471	5.4	12.0	5.0	2.0	0.0	0.9	1.3	1.4	0.7
14687	277083	N39603	30.1	14.0	5.0	0.0	0.0	0.9	1.3	1.4	0.7
7885	530310	AA112057	2.3	11.0	4.0	1.0	1.0	0.9	1.4	1.4	0.6
14479	811891	AA454978	4.2	16.0	1.0	0.0	0.0	0.9	1.4	1.4	0.6
22485	23176	R39223	4.4	14.0	4.0	0.0	0.0	0.9	1.2	2.0	0.9
23221	108764	T77781	77.6	15.0	2.0	0.0	0.0	0.9	2.0	1.0	0.9
4499	128973	R10301	2.4	12.0	6.0	1.0	0.0	0.9	0.3	1.6	0.9
14624	328287	W31919	7.8	12.0	6.0	1.0	0.0	0.9	0.3	1.6	0.9
12180	50443	H17353	1.6	13.0	4.0	1.0	0.0	0.9	0.3	1.8	0.8
5092	66774	T67663	39.7	12.0	8.0	0.0	0.0	0.9	0.4	1.6	0.8
13550	795456	AA454041	57.2	10.0	6.0	3.0	0.0	0.9	0.4	1.6	0.8
310	296773	W01110	3.1	14.0	4.0	0.0	0.0	0.9	0.6	1.8	0.8
7786	261851	H99215	3.4	15.0	2.0	0.0	0.0	0.9	1.6	0.4	0.8
21702	306861	N79061	19.0	11.0	6.0	2.0	0.0	0.9	0.6	2	0.7
1970	509823	AA054457	3.8	11.0	3.0	1.0	1.0	0.9	2.0	0	0.7
18634	701766	AA284416	76.6	10.0	6.0	3.0	0.0	0.9	0.7	2	0.7
520	144740	R76230	5.0	11.0	6.0	2.0	0.0	0.9	0.9	2	0.6
1852	256895	N39485	2.4	13.0	4.0	1.0	0.0	0.9	1.1	1.6	0.6
19224	231461	H92588	5.1	12.0	4.0	2.0	0.0	0.9	1.7	0.8	0.6
20020	449039	AA777397	4.1	13.0	6.0	0.0	0.0	0.9	1.4	1.6	0.6
2664	244044	N38801	18.0	7.0	7.0	3.0	1.0	0.9	2.1	0.6	0.6
20170	155806	R72243	7.7	9.0	5.0	2.0	1.0	0.9	2.3	0.4	0.6
10632	49227	H15464	5.6	9.0	5.0	2.0	1.0	0.9	2.4	0.4	0.5
4975	240961	H91011	30.7	10.0	6.0	3.0	0.0	0.9	1.7	1.6	0.5
14131	41869	R66438	2.5	9.0	5.0	2.0	1.0	0.9	2.9	0	0.5
4405	840940	AA486626	249.8	7.0	4.0	2.0	2.0	0.9	2.9	0.6	0.4
13775	741988	AA402915	20.2	8.0	5.0	3.0	1.0	0.9	1.1	3.4	0.3
25901	41308	R56880	6.1	12.0	4.0	2.0	0.0	0.9	0.4	0.5	1.5
8061	49291	H15652	224.0	12.0	4.0	2.0	0.0	0.9	0.0	0.4	1.2
12094	144925	R78521	589.1	10.0	6.0	3.0	0.0	0.9	0.0	0.4	1.2
9322	323185	W42587	427.7	14.0	2.0	1.0	0.0	0.9	0.0	0.4	1.2
19985	396147	AA757918	245.5	13.0	4.0	1.0	0.0	0.9	0.0	0.4	1.2
13965	489931	AA127763	106.8	13.0	6.0	0.0	0.0	0.9	0.0	0.4	1.2
12227	842946	AA489324	78.9	13.0	4.0	1.0	0.0	0.9	0.0	0.4	1.2
14058	306276	N90595	74.1	15.0	2.0	0.0	0.0	0.9	0.3	0	1.2
17490	839986	AA490162	481.2	14.0	4.0	0.0	0.0	0.9	0.3	0	1.2
8057	47452	H11448	46.8	9.0	8.0	3.0	0.0	0.9	0.0	0.6	1.2
9393	201609	R98003	124.8	11.0	6.0	2.0	0.0	0.9	0.0	0.6	1.2
8820	73787	T54673	105.3	11.0	6.0	2.0	0.0	0.9	0.3	0.4	1.1
8231	195357	R89542	196.9	13.0	2.0	2.0	0.0	0.9	0.3	0.4	1.1
20697	250963	H96554	283.2	13.0	4.0	1.0	0.0	0.9	0.3	0.4	1.1
16659	293056	N92689	694.1	12.0	6.0	1.0	0.0	0.9	0.3	0.4	1.1
17700	304963	W38986	516.6	13.0	6.0	0.0	0.0	0.9	0.3	0.4	1.1
15182	796328	AA461317	135.8	13.0	6.0	0.0	0.0	0.9	0.3	0.4	1.1
14817	244659	N54925	242.3	14.0	4.0	0.0	0.0	0.9	0.6	0	1.1
13326	629805	AA218915	26.1	14.0	4.0	0.0	0.0	0.9	0.6	0	1.1
12858	773166	AA425665	329.7	14.0	4.0	0.0	0.0	0.9	0.6	0	1.1
8769	47225	H11269	21.5	7.0	6.0	6.0	0.0	0.9	0.0	1	1.1
16288	197838	R96198	592.8	13.0	4.0	1.0	0.0	0.9	0.4	0.4	1.1
5737	201784	R99938	13.4	13.0	6.0	0.0	0.0	0.9	0.4	0.4	1.1
4577	214848	H73909	45.1	14.0	4.0	0.0	0.0	0.9	0.4	0.4	1.1

Table 4

13552	510906	AA102222	315.0	13.0	6.0	0.0	0.0	0.9	0.4	0.4	1.1
588	140792	R67081	3.4	16.0	0.0	0.0	0.0	0.9	0.0	1.2	1.0
18128	366620	AA029647	4.2	15.0	2.0	0.0	0.0	0.9	0.3	0.8	1.0
17118	742777	AA400194	73.4	15.0	2.0	0.0	0.0	0.9	0.3	0.8	1.0
908	66564	T67058	7.5	11.0	8.0	1.0	0.0	0.9	0.4	0.6	1.0
5338	111070	T81580	31.7	13.0	6.0	0.0	0.0	0.9	0.4	0.6	1.0
1878	128290	R12492	41.5	11.0	6.0	2.0	0.0	0.9	0.4	0.6	1.0
5615	128785	R10015	7.6	12.0	4.0	2.0	0.0	0.9	0.6	0.4	1.0
18680	221890	H85020	2.7	14.0	2.0	1.0	0.0	0.9	0.6	0.4	1.0
8388	797038	AA463573	93.0	14.0	4.0	0.0	0.0	0.9	0.6	0.4	1.0
17448	1031582	AA609311	56.7	13.0	6.0	0.0	0.0	0.9	0.6	0.4	1.0
18012	269612	N24163	49.3	14.0	4.0	0.0	0.0	0.9	0.9	0	1.0
12893	283086	N51306	5.3	12.0	1.0	1.0	1.0	0.9	0.9	0	1.0
6544	430211	AA010268	4.4	15.0	2.0	0.0	0.0	0.9	0.9	0	1.0
19694	196037	R89363	75.6	13.0	6.0	0.0	0.0	0.9	0.3	1	1.0
682	132690	R26827	126.6	13.0	6.0	0.0	0.0	0.9	0.4	0.8	1.0
7427	376475	AA041396	117.1	14.0	4.0	0.0	0.0	0.9	0.6	0.6	1.0
15154	782499	AA431771	66.9	13.0	4.0	1.0	0.0	0.9	0.6	0.6	1.0
9012	230882	R95996	3.5	13.0	4.0	1.0	0.0	0.9	0.7	0.4	1.0
18226	795265	AA451807	11.1	11.0	6.0	2.0	0.0	0.9	0.7	0.4	1.0
3264	544639	AA074677	12.2	9.0	6.0	4.0	0.0	0.9	1.0	0	1.0
1747	120631	T95238	73.6	12.0	6.0	1.0	0.0	0.9	0.4	1	1.0
2712	122636	T98887	55.7	12.0	6.0	1.0	0.0	0.9	0.4	1	1.0
3829	243385	N48130	145.4	14.0	4.0	0.0	0.0	0.9	0.4	1	1.0
3652	248535	N59766	43.7	10.0	6.0	3.0	0.0	0.9	0.4	1	1.0
3386	296010	N67041	86.5	14.0	4.0	0.0	0.0	0.9	0.4	1	1.0
14428	665316	AA195318	57.4	13.0	6.0	0.0	0.0	0.9	0.4	1	1.0
5974	112494	T85902	3.8	14.0	4.0	0.0	0.0	0.9	0.6	0.8	1.0
4044	135721	R33073	3.3	15.0	2.0	0.0	0.0	0.9	0.6	0.8	1.0
4828	136064	R34271	3.1	15.0	2.0	0.0	0.0	0.9	0.6	0.8	1.0
4124	136909	R36650	145.4	10.0	5.0	1.0	1.0	0.9	0.6	0.8	1.0
7387	179556	H51425	2.1	13.0	6.0	0.0	0.0	0.9	0.6	0.8	1.0
20090	704300	AA279431	3.7	14.0	4.0	0.0	0.0	0.9	0.6	0.8	1.0
6830	592728	AA160670	3.3	12.0	8.0	0.0	0.0	0.9	0.7	0.6	1.0
704	810843	AA459174	6.1	9.0	6.0	4.0	0.0	0.9	0.7	0.6	1.0
15185	271497	N35038	373.5	14.0	4.0	0.0	0.0	0.9	0.9	0.4	1.0
6612	273185	N33115	3.3	14.0	4.0	0.0	0.0	0.9	0.9	0.4	1.0
14043	1031168	AA609949	22.1	15.0	2.0	0.0	0.0	0.9	0.9	0.4	1.0
753	229290	H63866	2.7	14.0	4.0	0.0	0.0	0.9	0.3	1.4	0.9
297	294444	N70970	3.6	15.0	2.0	0.0	0.0	0.9	0.3	1.4	0.9
1093	295527	N74942	67.7	11.0	6.0	2.0	0.0	0.9	0.3	1.4	0.9
5652	136856	R36207	22.2	12.0	6.0	1.0	0.0	0.9	0.4	1.2	0.9
5341	243648	N49892	54.3	13.0	6.0	0.0	0.0	0.9	0.4	1.2	0.9
18853	266455	N21688	405.2	13.0	6.0	0.0	0.0	0.9	0.4	1.2	0.9
11498	32530	R43286	4.5	13.0	4.0	1.0	0.0	0.9	0.6	1	0.9
17259	37728	R59489	44.5	15.0	2.0	0.0	0.0	0.9	0.6	1	0.9
10081	327337	W32308	42.3	13.0	6.0	0.0	0.0	0.9	0.6	1	0.9
7806	505183	AA143010	131.8	14.0	4.0	0.0	0.0	0.9	0.6	1	0.9
20528	450859	AA682623	6.2	13.0	6.0	0.0	0.0	0.9	0.7	0.8	0.9
11183	294136	N68594	44.1	14.0	4.0	0.0	0.0	0.9	0.9	0.6	0.9
2804	195875	R92216	3.2	15.0	2.0	0.0	0.0	0.9	1.0	0.4	0.9
16272	199036	H82812	167.2	13.0	8.0	0.0	0.0	0.9	1.0	0.4	0.9
15585	505341	AA156235	180.5	15.0	2.0	0.0	0.0	0.9	1.0	0.4	0.9
8192	138369	R68150	11.2	13.0	4.0	1.0	0.0	0.9	1.3	0	0.9
3715	127943	R09153	41.3	13.0	6.0	0.0	0.0	0.9	0.4	1.4	0.9
19068	435817	AA701527	46.7	13.0	6.0	0.0	0.0	0.9	0.6	1.2	0.9
1793	113488	T78604	19.0	13.0	6.0	0.0	0.0	0.9	0.7	1	0.9

Table 4

2563	120863	T96077	6.7	11.0	6.0	2.0	0.0	0.9	0.7	1	0.9
4860	136706	R34787	5.2	13.0	6.0	0.0	0.0	0.9	0.7	1	0.9
16031	788526	AA452802	29.0	14.0	4.0	0.0	0.0	0.9	0.7	1	0.9
3355	125769	R07632	4.8	15.0	2.0	0.0	0.0	0.9	0.9	0.9	0.9
972	132899	R25665	3.2	15.0	2.0	0.0	0.0	0.9	0.9	0.8	0.9
4873	194468	R83191	3.5	16.0	0.0	0.0	0.0	0.9	0.9	0.8	0.9
306	247986	N53758	4.0	16.0	0.0	0.0	0.0	0.9	0.9	0.8	0.9
3843	266361	N26562	3.3	14.0	4.0	0.0	0.0	0.9	0.9	0.8	0.9
11907	795901	AA460772	8.4	14.0	4.0	0.0	0.0	0.9	0.9	0.8	0.9
1438	123079	R02526	38.7	12.0	6.0	1.0	0.0	0.9	1.0	0.6	0.9
10533	489805	AA101861	2.5	9.0	5.0	2.0	1.0	0.9	1.0	0.6	0.9
2196	155128	R70319	68.5	12.0	6.0	1.0	0.0	0.9	1.1	0.4	0.9
9615	428529	AA005063	4.1	15.0	2.0	0.0	0.0	0.9	1.1	0.4	0.9
2189	121275	T96731	41.8	10.0	6.0	3.0	0.0	0.9	1.4	0	0.9
20720	746245	AA417761	22.4	12.0	4.0	2.0	0.0	0.9	1.4	0	0.9
305	292966	N63753	9.2	14.0	4.0	0.0	0.0	0.9	0.6	1.4	0.8
3315	121415	T96919	12.5	13.0	6.0	0.0	0.0	0.9	0.7	1.2	0.8
980	132524	R26693	2.8	15.0	2.0	0.0	0.0	0.9	0.9	1	0.8
5753	201818	H48226	3.2	13.0	4.0	1.0	0.0	0.9	0.9	1	0.8
16811	53338	R15931	3.9	13.0	4.0	1.0	0.0	0.9	1.0	0.8	0.8
8609	138351	R34039	57.1	15.0	2.0	0.0	0.0	0.9	1.0	0.8	0.8
2569	137417	R38239	144.2	10.0	6.0	3.0	0.0	0.9	0.7	1.4	0.8
3429	234469	H95358	7.4	13.0	6.0	0.0	0.0	0.9	0.9	1.2	0.8
3798	293564	N63786	13.1	10.0	6.0	3.0	0.0	0.9	1.0	1	0.8
8058	592111	AA150532	6.4	9.0	6.0	4.0	0.0	0.9	1.0	1	0.8
16543	278451	N98745	72.0	14.0	4.0	0.0	0.0	0.9	1.1	0.8	0.8
7406	795407	AA453517	3.4	13.0	6.0	0.0	0.0	0.9	1.1	0.8	0.8
2561	110585	T90201	21.0	13.0	6.0	0.0	0.0	0.9	0.9	1.4	0.8
2500	135273	R31533	3.2	15.0	2.0	0.0	0.0	0.9	0.9	1.4	0.8
331	112896	T75482	4.0	15.0	2.0	0.0	0.0	0.9	1.0	1.2	0.8
3491	360168	AA012984	18.9	12.0	8.0	0.0	0.0	0.9	1.0	1.2	0.8
10465	428492	AA005428	16.2	14.0	4.0	0.0	0.0	0.9	1.0	1.2	0.8
12011	195635	R89317	14.9	13.0	4.0	1.0	0.0	0.9	1.1	1	0.8
6	813614	AA447835	3.1	14.0	2.0	1.0	0.0	0.9	1.3	0.8	0.8
13762	788541	AA452955	31.8	11.0	8.0	1.0	0.0	0.9	1.4	0.6	0.8
21328	221561	H92524	12.3	15.0	2.0	0.0	0.0	0.9	1.0	1.4	0.7
14431	811907	AA456269	6.7	11.0	6.0	2.0	0.0	0.9	1.0	1.4	0.7
8253	490525	AA126648	2.7	13.0	6.0	0.0	0.0	0.9	1.1	1.2	0.7
18840	454566	AA677026	4.0	14.0	2.0	1.0	0.0	0.9	1.4	0.8	0.7
10260	71671	T57927	2.2	15.0	2.0	0.0	0.0	0.9	1.1	1.4	0.7
8111	194023	H51845	31.4	13.0	4.0	1.0	0.0	0.9	1.1	1.4	0.7
17800	295142	W01675	8.6	14.0	4.0	0.0	0.0	0.9	1.3	1.2	0.7
4805	295630	N66852	3.4	15.0	2.0	0.0	0.0	0.9	1.3	1.2	0.7
8656	85804	T72068	7.2	12.0	6.0	1.0	0.0	0.9	1.4	1	0.7
22264	461499	AA705072	61.1	13.0	6.0	0.0	0.0	0.9	1.4	1	0.7
17759	277475	N56882	10.5	14.0	4.0	0.0	0.0	0.9	1.3	1.4	0.6
3360	138974	R62835	18.1	14.0	4.0	0.0	0.0	0.9	1.4	1.2	0.6
22343	23000	T75260	7.2	8.0	4.0	3.0	1.0	0.8	0.0	2.3	1.2
27320	787867	AA452151	103.7	14.0	3.0	0.0	0.0	0.8	1.6	0.5	1.1
6521	47356	H10982	1.1	6.0	5.0	2.0	2.0	0.8	0.0	2	0.8
3022	239711	H79649	11.0	6.0	6.0	4.0	1.0	0.8	0.0	2	0.8
714	248143	N78022	3.2	14.0	3.0	0.0	0.0	0.8	0.3	1.6	0.8
19911	294225	N70682	19.7	12.0	5.0	1.0	0.0	0.8	0.3	1.6	0.8
4507	128993	R10311	2.9	13.0	3.0	1.0	0.0	0.8	0.3	1.8	0.8
5663	160488	H22173	2.5	12.0	7.0	0.0	0.0	0.8	0.3	2	0.8
723	773220	AA425229	15.7	13.0	3.0	1.0	0.0	0.8	0.6	1.6	0.8
16678	897587	AA496884	9.1	8.0	6.0	2.0	1.0	0.8	1.7	0	0.8

Table 4

2198	111510	T90794	8.9	12.0	3.0	2.0	0.0	0.8	0.7	1.8	0.7
9616	244305	N75718	4.8	14.0	3.0	0.0	0.0	0.8	0.7	1.8	0.7
19274	281773	N51758	4.7	14.0	1.0	1.0	0.0	0.8	1.9	0.4	0.6
11963	280954	N50845	4.6	13.0	3.0	1.0	0.0	0.8	1.7	0.8	0.6
14195	41913	R59608	1.2	11.0	7.0	1.0	0.0	0.8	1.9	0.8	0.6
20535	430864	AA678203	5.6	12.0	5.0	1.0	0.0	0.8	1.6	1.4	0.5
17838	731048	AA421275	4.8	12.0	7.0	0.0	0.0	0.8	1.6	1.4	0.5
18825	769917	AA430612	33.9	10.0	7.0	2.0	0.0	0.8	1.7	1.2	0.5
14666	119330	AI820668	11.0	13.0	3.0	1.0	0.0	0.8	1.1	2.2	0.5
14766	731445	AA412442	4.7	12.0	3.0	2.0	0.0	0.8	2.7	0.4	0.4
3217	42373	R67147	2.0	11.0	5.0	2.0	0.0	0.8	1.4	2.6	0.3
17860	48404	H14348	3.6	10.0	4.0	1.0	1.0	0.8	1.0	3.6	0.2
10766	305253	N95011	21.1	8.0	6.0	2.0	1.0	0.8	1.6	2.8	0.2
23111	845692	AA773325	75.4	13.0	5.0	0.0	0.0	0.8	0.8	0.0	1.4
25371	1605178	AA988049	20.2	12.0	3.0	2.0	0.0	0.8	0.0	1.3	1.4
22780	788652	AA449877	2.3	12.0	5.0	1.0	0.0	0.8	0.6	0.5	1.4
26641	346255	W74070	60.5	13.0	3.0	1.0	0.0	0.8	0.8	0.5	1.3
24673	1420830	AA826324	5.5	13.0	3.0	1.0	0.0	0.8	1.4	0.0	1.3
10977	153694	R48131	58.6	14.0	3.0	0.0	0.0	0.8	0.0	0.4	1.2
15087	213484	H72232	823.2	13.0	5.0	0.0	0.0	0.8	0.3	0	1.2
9831	52577	H29650	153.8	9.0	7.0	3.0	0.0	0.8	0.0	0.6	1.1
2568	366966	AA026562	47.3	6.0	6.0	4.0	1.0	0.8	0.0	0.6	1.1
14337	609521	AA167565	95.5	12.0	7.0	0.0	0.0	0.8	0.0	0.6	1.1
16810	28705	R40357	459.5	11.0	9.0	0.0	0.0	0.8	0.4	0	1.1
9798	83549	T69675	57.3	11.0	5.0	2.0	0.0	0.8	0.4	0	1.1
19741	267736	N23282	60.7	14.0	3.0	0.0	0.0	0.8	0.0	0.8	1.1
696	810096	AA464967	4.7	12.0	3.0	2.0	0.0	0.8	0.0	0.8	1.1
14207	48955	H16725	227.7	13.0	5.0	0.0	0.0	0.8	0.3	0.4	1.1
3809	214823	H71854	39.3	12.0	5.0	1.0	0.0	0.8	0.3	0.4	1.1
15388	289168	N68970	61.0	15.0	1.0	0.0	0.0	0.8	0.3	0.4	1.1
13848	322447	W16425	16.4	14.0	3.0	0.0	0.0	0.8	0.3	0.4	1.1
5532	739183	AA421420	91.6	14.0	3.0	0.0	0.0	0.8	0.3	0.4	1.1
6718	771241	AA479877	184.1	12.0	3.0	2.0	0.0	0.8	0.3	0.4	1.1
11734	840474	AA487773	10.8	15.0	1.0	0.0	0.0	0.8	0.3	0.4	1.1
7014	428756	AA005218	8.8	12.0	5.0	1.0	0.0	0.8	0.6	0	1.1
11678	810772	AA481006	7.6	11.0	7.0	1.0	0.0	0.8	0.6	0	1.1
4137	200780	R98191	12.1	6.0	6.0	4.0	1.0	0.8	0.0	1	1.0
21596	381021	AA057425	13.3	11.0	7.0	1.0	0.0	0.8	0.0	1	1.0
13157	627555	AA192508	6.7	13.0	3.0	1.0	0.0	0.8	0.0	1	1.0
10875	244796	N52554	276.8	11.0	5.0	2.0	0.0	0.8	0.3	0.6	1.0
21943	431269	AA682565	7.1	13.0	5.0	0.0	0.0	0.8	0.3	0.6	1.0
14907	42302	R61700	126.4	12.0	7.0	0.0	0.0	0.8	0.4	0.4	1.0
4931	139680	R63911	59.3	13.0	5.0	0.0	0.0	0.8	0.4	0.4	1.0
21894	280640	N50428	7.6	11.0	7.0	1.0	0.0	0.8	0.7	0	1.0
4040	139051	R62925	2.0	12.0	3.0	2.0	0.0	0.8	0.0	1.2	1.0
10848	345838	W77807	157.0	11.0	7.0	1.0	0.0	0.8	0.0	1.2	1.0
9456	22788	T75239	43.1	13.0	5.0	0.0	0.0	0.8	0.3	0.8	1.0
11023	40139	R53954	178.9	14.0	3.0	0.0	0.0	0.8	0.3	0.8	1.0
12153	77539	T58847	65.1	13.0	3.0	1.0	0.0	0.8	0.3	0.8	1.0
10318	281082	N47786	4.3	15.0	1.0	0.0	0.0	0.8	0.3	0.8	1.0
7526	384015	AA702640	3.7	15.0	1.0	0.0	0.0	0.8	0.3	0.8	1.0
1861	202704	H53878	294.8	13.0	5.0	0.0	0.0	0.8	0.4	0.6	1.0
1501	241274	H91164	62.7	13.0	5.0	0.0	0.0	0.8	0.4	0.6	1.0
2889	248856	H82169	90.8	13.0	5.0	0.0	0.0	0.8	0.4	0.6	1.0
18249	280362	N49368	2059.1	12.0	5.0	1.0	0.0	0.8	0.4	0.6	1.0
932	842860	AA489252	140.0	13.0	5.0	0.0	0.0	0.8	0.4	0.6	1.0
15617	123326	R00311	54.5	14.0	3.0	0.0	0.0	0.8	0.6	0.4	1.0

Table 4

12939	796663	AA460131	381.6	14.0	1.0	1.0	0.0	0.8	0.6	0.4	1.0
5298	133236	R26929	14.3	11.0	5.0	2.0	0.0	0.8	0.9	0	1.0
18156	244011	N45423	8.3	11.0	5.0	2.0	0.0	0.8	0.9	0	1.0
693	292308	N68257	5.7	10.0	4.0	1.0	1.0	0.8	0.9	0	1.0
11092	25061	R38944	26.4	9.0	7.0	3.0	0.0	0.8	0.3	1	1.0
4435	128118	R09557	3.2	14.0	3.0	0.0	0.0	0.8	0.3	1	1.0
4840	141366	R63837	15.4	12.0	5.0	1.0	0.0	0.8	0.3	1	1.0
11996	282663	N50056	279.8	11.0	5.0	2.0	0.0	0.8	0.3	1	1.0
1385	144951	R78627	79.2	12.0	7.0	0.0	0.0	0.8	0.4	0.8	1.0
5353	296749	N74059	24.3	13.0	5.0	0.0	0.0	0.8	0.4	0.8	1.0
8486	487981	AA054669	81.0	12.0	5.0	1.0	0.0	0.8	0.6	0.6	1.0
8823	1032048	AA610040	103.4	12.0	3.0	2.0	0.0	0.8	0.6	0.6	1.0
6631	265655	22836::N28644	1.4	12.0	7.0	0.0	0.0	0.8	0.7	0.4	1.0
14982	345761	W72671	5.7	10.0	5.0	3.0	0.0	0.8	0.7	0.4	1.0
20967	430837	AA678190	4.7	10.0	5.0	3.0	0.0	0.8	0.7	0.4	1.0
16640	1031593	AA609482	13.1	13.0	5.0	0.0	0.0	0.8	0.7	0.4	1.0
19827	684508	AA250962	6.8	14.0	3.0	0.0	0.0	0.8	1.0	0	1.0
19145	825234	AA504392	189.2	13.0	5.0	0.0	0.0	0.8	0.3	1.2	0.9
281	122161	T98514	197.7	12.0	5.0	1.0	0.0	0.8	0.4	1	0.9
1843	194872	R91034	48.5	13.0	5.0	0.0	0.0	0.8	0.4	1	0.9
5345	294150	N99803	50.0	12.0	5.0	1.0	0.0	0.8	0.4	1	0.9
3695	130677	R21987	3.5	15.0	1.0	0.0	0.0	0.8	0.6	0.8	0.9
1077	197500	H52104	2.8	15.0	1.0	0.0	0.0	0.8	0.6	0.8	0.9
5689	201192	R99277	2.5	15.0	1.0	0.0	0.0	0.8	0.6	0.8	0.9
9298	267495	N25262	54.4	14.0	3.0	0.0	0.0	0.8	0.6	0.8	0.9
11635	298685	N74332	5.5	15.0	1.0	0.0	0.0	0.8	0.6	0.8	0.9
4198	366526	AA026756	14.7	14.0	3.0	0.0	0.0	0.8	0.6	0.8	0.9
3080	470930	AA032090	7.6	14.0	3.0	0.0	0.0	0.8	0.6	0.8	0.9
1115	136874	R36628	48.1	11.0	7.0	1.0	0.0	0.8	0.7	0.6	0.9
19912	190972	H37909	45.6	13.0	5.0	0.0	0.0	0.8	0.7	0.6	0.9
5200	199327	R95916	109.0	10.0	7.0	2.0	0.0	0.8	0.7	0.6	0.9
1013	201207	R99288	44.3	10.0	7.0	2.0	0.0	0.8	0.7	0.6	0.9
6113	241507	H80724	84.7	12.0	5.0	1.0	0.0	0.8	0.7	0.6	0.9
3273	246073	N76949	90.2	10.0	7.0	2.0	0.0	0.8	0.7	0.6	0.9
4945	200840	R98948	3.0	13.0	3.0	1.0	0.0	0.8	0.9	0.4	0.9
13208	241343	H81188	7.0	12.0	5.0	1.0	0.0	0.8	0.9	0.4	0.9
11114	302632	W37069	5.9	8.0	6.0	2.0	1.0	0.8	1.1	0	0.9
3852	813707	AA453774	4.7	13.0	5.0	0.0	0.0	0.8	0.3	1.4	0.9
14499	682072	AA256464	24.8	13.0	5.0	0.0	0.0	0.8	0.4	1.2	0.9
6772	22376	T82461	36.0	13.0	5.0	0.0	0.0	0.8	0.6	1	0.9
17864	38648	R49714	12.9	14.0	3.0	0.0	0.0	0.8	0.6	1	0.9
7512	45531	H08541	1.8	13.0	5.0	0.0	0.0	0.8	0.6	1	0.9
19984	450642	AA682479	94.2	14.0	3.0	0.0	0.0	0.8	0.6	1	0.9
898	611956	AA180045	4.2	12.0	7.0	0.0	0.0	0.8	0.6	1	0.9
3769	229997	H71314	4.6	12.0	3.0	2.0	0.0	0.8	0.9	0.6	0.9
15451	254694	N25049	57.9	13.0	5.0	0.0	0.0	0.8	0.9	0.6	0.9
6180	296033	N67051	56.2	14.0	3.0	0.0	0.0	0.8	0.9	0.6	0.9
347	109483	T81310	3.6	13.0	5.0	0.0	0.0	0.8	1.0	0.4	0.9
6947	134690	R28267	2.2	14.0	3.0	0.0	0.0	0.8	1.0	0.4	0.9
6148	266161	N21592	14.5	14.0	3.0	0.0	0.0	0.8	1.0	0.4	0.9
13374	785699	AA449332	6.2	14.0	3.0	0.0	0.0	0.8	1.0	0.4	0.9
2928	197637	R87193	155.2	10.0	7.0	2.0	0.0	0.8	0.4	1.4	0.8
3005	243245	H95044	5.4	10.0	5.0	3.0	0.0	0.8	0.4	1.4	0.8
974	66400	T66929	106.2	10.0	7.0	2.0	0.0	0.8	0.7	1	0.8
3307	121412	T96908	48.4	9.0	7.0	3.0	0.0	0.8	0.7	1	0.8
4854	121521	T97694	67.9	9.0	7.0	3.0	0.0	0.8	0.7	1	0.8
5285	123755	R01304	5.2	14.0	3.0	0.0	0.0	0.8	0.7	1	0.8

Table 4

1854	125737	R07617	14.3	14.0	3.0	0.0	0.0	0.8	0.7	1	0.8
2531	126355	R06545	37.1	11.0	7.0	1.0	0.0	0.8	0.7	1	0.8
8883	240509	H90767	102.8	12.0	7.0	0.0	0.0	0.8	0.7	1	0.8
21261	271115	N42874	17.8	11.0	7.0	1.0	0.0	0.8	0.7	1	0.8
20764	452354	AA700867	14.2	13.0	5.0	0.0	0.0	0.8	0.7	1	0.8
13941	490991	AA120880	25.3	13.0	5.0	0.0	0.0	0.8	0.7	1	0.8
15922	757365	AA437124	127.2	14.0	3.0	0.0	0.0	0.8	0.7	1	0.8
2911	130107	R20805	2.2	15.0	1.0	0.0	0.0	0.8	0.9	0.8	0.8
4455	130972	R22919	2.1	14.0	3.0	0.0	0.0	0.8	0.9	0.8	0.8
4041	141677	R69649	3.7	15.0	1.0	0.0	0.0	0.8	0.9	0.8	0.8
6543	197793	R93783	3.6	15.0	1.0	0.0	0.0	0.8	0.9	0.8	0.8
1645	204539	H58254	9.4	15.0	1.0	0.0	0.0	0.8	0.9	0.8	0.8
5686	233802	H64605	3.6	14.0	3.0	0.0	0.0	0.8	0.9	0.8	0.8
14405	283874	N52589	3.2	15.0	1.0	0.0	0.0	0.8	0.9	0.8	0.8
17299	289770	N59287	117.2	15.0	1.0	0.0	0.0	0.8	0.9	0.8	0.8
1351	301752	W16822	3.4	14.0	3.0	0.0	0.0	0.8	0.9	0.8	0.8
3795	325247	W52431	5.2	14.0	1.0	1.0	0.0	0.8	0.9	0.8	0.8
12002	782761	AA448168	4.5	14.0	3.0	0.0	0.0	0.8	0.9	0.8	0.8
8797	49240	H15492	19.6	12.0	5.0	1.0	0.0	0.8	1.1	0.4	0.8
1252	214816	H71848	2.9	15.0	1.0	0.0	0.0	0.8	1.1	0.4	0.8
6295	320602	W31389	3.6	13.0	5.0	0.0	0.0	0.8	1.1	0.4	0.8
20755	432491	AA699504	3.5	14.0	3.0	0.0	0.0	0.8	1.1	0.4	0.8
19617	825841	AA504750	42.7	12.0	5.0	1.0	0.0	0.8	1.1	0.4	0.8
6510	884272	AA668811	168.0	14.0	3.0	0.0	0.0	0.8	1.1	0.4	0.8
9933	49532	H15352	3.2	13.0	5.0	0.0	0.0	0.8	1.4	0	0.8
5861	842784	AA486200	596.1	9.0	7.0	3.0	0.0	0.8	1.4	0	0.8
11899	321994	W37107	17.1	12.0	5.0	1.0	0.0	0.8	0.6	1.4	0.8
3670	121072	T96522	17.6	12.0	7.0	0.0	0.0	0.8	0.7	1.2	0.8
2247	290893	N99463	16.6	12.0	7.0	0.0	0.0	0.8	0.7	1.2	0.8
19728	383528	AA678975	23.2	13.0	5.0	0.0	0.0	0.8	0.7	1.2	0.8
7344	282007	N54238	3.7	14.0	3.0	0.0	0.0	0.8	0.9	1	0.8
7449	416750	W86521	13.9	13.0	3.0	1.0	0.0	0.8	0.9	1	0.8
5288	770838	AA434297	7.0	11.0	7.0	1.0	0.0	0.8	0.9	1	0.8
18936	178524	H46509	3.1	15.0	1.0	0.0	0.0	0.8	1.0	0.8	0.8
1254	739990	AA478078	2.6	14.0	3.0	0.0	0.0	0.8	1.0	0.8	0.8
2755	813149	AA456298	12.6	11.0	5.0	2.0	0.0	0.8	1.0	0.8	0.8
10850	308467	W24991	3.7	14.0	3.0	0.0	0.0	0.8	0.9	1.2	0.8
274	66533	T67026	5.9	14.0	3.0	0.0	0.0	0.8	1.0	1	0.8
1936	245920	N72934	3.1	14.0	3.0	0.0	0.0	0.8	1.1	0.8	0.8
5692	357892	W99370	1.6	13.0	5.0	0.0	0.0	0.8	1.1	0.8	0.8
8159	429086	AA005280	5.1	15.0	1.0	0.0	0.0	0.8	1.1	0.8	0.8
12668	1492426	AA878576	20.5	14.0	3.0	0.0	0.0	0.8	1.3	0.6	0.8
10394	126681	R06969	6.8	13.0	5.0	0.0	0.0	0.8	1.4	0.4	0.8
12855	366953	AA027325	15.8	14.0	3.0	0.0	0.0	0.8	1.4	0.4	0.8
302	296741	N74055	26.5	13.0	5.0	0.0	0.0	0.8	0.9	1.4	0.7
12047	289018	N78454	3.2	14.0	3.0	0.0	0.0	0.8	1.0	1.2	0.7
19083	309416	N94321	2.7	15.0	1.0	0.0	0.0	0.8	1.0	1.2	0.7
7292	61638	T41032	4.6	13.0	3.0	1.0	0.0	0.8	1.1	1	0.7
3732	292496	N68447	8.2	11.0	7.0	1.0	0.0	0.8	1.1	1	0.7
18845	266324	N34617	2.7	13.0	3.0	1.0	0.0	0.8	1.3	0.8	0.7
6212	430192	AA010328	4.3	14.0	3.0	0.0	0.0	0.8	1.0	1.4	0.7
4432	194670	R89824	6.9	13.0	5.0	0.0	0.0	0.8	1.1	1.4	0.6
115	785595	AA448993	35.1	10.0	4.0	1.0	1.0	0.8	1.4	1	0.6
22142	1239845	AA705977	6.6	12.0	3.0	2.0	0.0	0.8	1.4	1.2	0.6
27608	897559	AA497025	31.1	10.0	6.0	2.0	0.0	0.8	0.0	0.0	1.6
22461	32509	R43053	3.9	10.0	6.0	2.0	0.0	0.8	2.2	0.0	1.0
22895	461373	AA704913	16.4	10.0	3.0	1.0	1.0	0.8	1.2	1.5	0.9

Table 4

26543	486220	AA043873	24.7	15.0	0.0	0.0	0.0	0.8	1.6	1.0	0.9
22613	1473146	AA873234	11.8	11.0	6.0	1.0	0.0	0.8	1.8	1.3	0.8
12178	68557	T53219	4.3	13.0	4.0	0.0	0.0	0.8	0.3	1.6	0.8
22326	825337	AA504572	30.1	12.0	6.0	0.0	0.0	0.8	1.8	1.8	0.7
260	137653	R37816	7.3	14.0	2.0	0.0	0.0	0.8	0.6	1.6	0.7
358	296170	N74366	3.0	14.0	2.0	0.0	0.0	0.8	0.7	1.8	0.6
20350	824920	AA489111	61.1	10.0	8.0	1.0	0.0	0.8	0.9	1.6	0.6
11492	53091	R15784	1.8	5.0	4.0	3.0	2.0	0.8	0.4	2.4	0.6
18157	284497	N75133	15.1	6.0	5.0	4.0	1.0	0.8	2.1	0	0.6
18046	788234	AA454080	60.0	7.0	5.0	3.0	1.0	0.8	2.1	0	0.6
13999	810993	AI732783	8.7	13.0	4.0	0.0	0.0	0.8	1.1	1.6	0.6
14968	462595	AA705112	9.8	10.0	6.0	2.0	0.0	0.8	1.9	0.6	0.6
16979	259627	N29778	9.6	11.0	6.0	1.0	0.0	0.8	1.1	1.8	0.5
8019	342342	W61303	16.5	13.0	4.0	0.0	0.0	0.8	1.3	1.6	0.5
6691	306420	W20278	4.9	12.0	4.0	1.0	0.0	0.8	1.3	2	0.4
6116	770866	AA434390	11.4	11.0	6.0	1.0	0.0	0.8	2.0	1.2	0.4
6099	416611	W86466	6.4	9.0	5.0	1.0	1.0	0.8	1.1	3.4	0.2
11480	838668	AA457235	8.7	7.0	2.0	2.0	2.0	0.8	2.9	1.6	0.1
27296	758280	AA404229	44.7	10.0	6.0	2.0	0.0	0.8	0.4	0.0	1.5
25879	145491	R77512	6.7	13.0	4.0	0.0	0.0	0.8	0.4	0.5	1.4
26085	1613222	AI001203	32.7	8.0	5.0	2.0	1.0	0.8	0.6	0.5	1.3
25689	146882	R80790	30.8	8.0	6.0	4.0	0.0	0.8	0.4	1.3	1.2
13283	1031027	AA609861	9.5	9.0	4.0	4.0	0.0	0.8	0.0	0	1.2
13275	1031963	AA609783	13.0	9.0	3.0	2.0	1.0	0.8	0.0	0	1.2
14073	1048792	AA621323	9.5	8.0	7.0	1.0	1.0	0.8	0.0	0	1.2
7383	201855	H48251	118.9	9.0	6.0	3.0	0.0	0.8	0.0	0.4	1.1
7509	266094	N21546	168.3	13.0	4.0	0.0	0.0	0.8	0.0	0.4	1.1
8606	324220	W47183	325.3	9.0	6.0	3.0	0.0	0.8	0.0	0.4	1.1
13154	345847	W70342	49.1	13.0	4.0	0.0	0.0	0.8	0.0	0.4	1.1
688	795382	AA453497	8.2	11.0	4.0	2.0	0.0	0.8	0.0	0.4	1.1
5130	843133	AA486524	159.7	11.0	4.0	2.0	0.0	0.8	0.0	0.4	1.1
10626	878838	AA670430	16.6	11.0	6.0	1.0	0.0	0.8	0.0	0.4	1.1
11098	884500	AA629987	292.2	11.0	6.0	1.0	0.0	0.8	0.0	0.4	1.1
14085	112488	T91039	217.0	12.0	6.0	0.0	0.0	0.8	0.3	0	1.1
16325	201213	R99471	389.7	12.0	6.0	0.0	0.0	0.8	0.3	0	1.1
15981	246297	N59432	626.9	13.0	4.0	0.0	0.0	0.8	0.3	0	1.1
10363	839807	AA489768	218.5	13.0	4.0	0.0	0.0	0.8	0.3	0	1.1
19654	195079	R91146	3.1	10.0	3.0	1.0	1.0	0.8	0.0	0.6	1.1
11317	324205	W47179	179.1	11.0	4.0	2.0	0.0	0.8	0.0	0.6	1.1
12732	342497	W68266	7.0	9.0	5.0	1.0	1.0	0.8	0.4	0	1.1
16229	743481	AA609392	5.7	10.0	6.0	2.0	0.0	0.8	0.4	0	1.1
9448	23056	R43684	230.4	13.0	4.0	0.0	0.0	0.8	0.0	0.8	1.0
21660	452537	AA778826	49.5	14.0	2.0	0.0	0.0	0.8	0.0	0.8	1.0
12659	39147	R51836	160.0	14.0	2.0	0.0	0.0	0.8	0.3	0.4	1.0
11860	51992	H23230	125.6	12.0	6.0	0.0	0.0	0.8	0.3	0.4	1.0
7965	362680	AA018569	1.8	13.0	4.0	0.0	0.0	0.8	0.3	0.4	1.0
20307	684969	AA252348	2.4	13.0	2.0	1.0	0.0	0.8	0.3	0.4	1.0
6410	742763	AA400344	13.4	14.0	2.0	0.0	0.0	0.8	0.3	0.4	1.0
15101	838853	AA464887	99.1	11.0	6.0	1.0	0.0	0.8	0.3	0.4	1.0
4446	111693	T84703	6.0	14.0	2.0	0.0	0.0	0.8	0.6	0	1.0
15814	220059	H85434	86.6	13.0	2.0	1.0	0.0	0.8	0.6	0	1.0
16713	279306	N46353	272.7	13.0	4.0	0.0	0.0	0.8	0.6	0	1.0
13954	565321	AA136213	35.3	13.0	4.0	0.0	0.0	0.8	0.6	0	1.0
9480	23114	R38652	44.1	10.0	6.0	2.0	0.0	0.8	0.0	1	1.0
10199	46196	H09243	399.3	12.0	6.0	0.0	0.0	0.8	0.0	1	1.0
10616	50587	H17731	68.5	8.0	6.0	4.0	0.0	0.8	0.0	1	1.0
11347	52865	H29620	72.2	8.0	6.0	4.0	0.0	0.8	0.0	1	1.0



Table 4

1428	137885	R68586	14.5	6.0	6.0	6.0	0.0	0.8	0.0	1	1.0
4816	139331	R63782	18.4	6.0	5.0	4.0	1.0	0.8	0.0	1	1.0
4205	204489	H58237	30.2	6.0	6.0	6.0	0.0	0.8	0.0	1	1.0
3441	206781	R98073	12.1	6.0	6.0	6.0	0.0	0.8	0.0	1	1.0
1400	242010	H93315	25.1	11.0	6.0	1.0	0.0	0.8	0.0	1	1.0
1890	248688	N78301	34.6	6.0	6.0	6.0	0.0	0.8	0.0	1	1.0
7340	289867	N62080	18.0	6.0	6.0	6.0	0.0	0.8	0.0	1	1.0
4905	293932	N66039	22.8	6.0	5.0	4.0	1.0	0.8	0.0	1	1.0
7076	417059	W87801	13.9	10.0	6.0	2.0	0.0	0.8	0.0	1	1.0
16421	768596	AA425056	9.4	10.0	6.0	2.0	0.0	0.8	0.0	1	1.0
11364	25636	R39098	45.1	11.0	6.0	1.0	0.0	0.8	0.3	0.6	1.0
18487	247469	N58073	234.1	13.0	4.0	0.0	0.0	0.8	0.3	0.6	1.0
10366	322652	W39709	160.8	11.0	6.0	1.0	0.0	0.8	0.3	0.6	1.0
21378	684626	AA251457	6.1	13.0	4.0	0.0	0.0	0.8	0.3	0.6	1.0
12066	795687	AA459937	5.9	11.0	6.0	1.0	0.0	0.8	0.3	0.6	1.0
1975	133178	R28423	219.9	12.0	4.0	1.0	0.0	0.8	0.4	0.4	1.0
16956	307995	N92293	226.2	13.0	4.0	0.0	0.0	0.8	0.4	0.4	1.0
10530	502917	AA135867	93.6	11.0	4.0	2.0	0.0	0.8	0.4	0.4	1.0
14612	609188	AA167549	945.0	11.0	8.0	0.0	0.0	0.8	0.4	0.4	1.0
22011	25664	R12201	16.7	9.0	3.0	2.0	1.0	0.8	0.7	0	1.0
9576	530237	AA083714	19.4	11.0	6.0	1.0	0.0	0.8	0.7	0	1.0
4962	294485	N71002	85.2	14.0	2.0	0.0	0.0	0.8	0.3	0.8	1.0
602	127769	R08790	1.7	13.0	4.0	0.0	0.0	0.8	0.4	0.6	1.0
3755	194524	R86333	106.1	11.0	8.0	0.0	0.0	0.8	0.4	0.6	1.0
3353	197933	R96358	90.3	12.0	6.0	0.0	0.0	0.8	0.4	0.6	1.0
4517	243405	N33590	210.9	11.0	6.0	1.0	0.0	0.8	0.4	0.6	1.0
8196	780947	AA429661	6.6	11.0	8.0	0.0	0.0	0.8	0.4	0.6	1.0
8182	771142	AA427778	164.3	13.0	4.0	0.0	0.0	0.8	0.6	0.4	1.0
1419	126884	R07313	5.2	13.0	4.0	0.0	0.0	0.8	0.9	0	1.0
2084	366341	AA025940	5.2	11.0	4.0	2.0	0.0	0.8	0.9	0	1.0
3558	809530	AA454572	7.4	13.0	4.0	0.0	0.0	0.8	0.9	0	1.0
10216	32925	R20305	2.4	12.0	4.0	1.0	0.0	0.8	0.0	1.4	0.9
7232	40036	R53442	82.3	12.0	6.0	0.0	0.0	0.8	0.3	1	0.9
8495	504372	AA142842	57.5	12.0	6.0	0.0	0.0	0.8	0.3	1	0.9
12879	796519	AA460254	8.2	13.0	4.0	0.0	0.0	0.8	0.3	1	0.9
1203	687990	AA236617	75.5	13.0	4.0	0.0	0.0	0.8	0.4	0.8	0.9
7248	32095	R42698	99.7	11.0	8.0	0.0	0.0	0.8	0.6	0.6	0.9
8900	299465	W05452	124.9	13.0	4.0	0.0	0.0	0.8	0.7	0.4	0.9
4173	209468	H65232	13.0	10.0	8.0	1.0	0.0	0.8	0.3	1.2	0.9
10782	121028	T96309	6.6	9.0	8.0	2.0	0.0	0.8	0.4	1	0.9
1371	126568	R06862	42.4	13.0	4.0	0.0	0.0	0.8	0.4	1	0.9
2152	233289	H80100	37.3	12.0	6.0	0.0	0.0	0.8	0.4	1	0.9
217	241392	H91281	39.4	12.0	4.0	1.0	0.0	0.8	0.4	1	0.9
3015	758332	AA404276	83.1	12.0	6.0	0.0	0.0	0.8	0.4	1	0.9
5242	109304	T80918	3.2	14.0	2.0	0.0	0.0	0.8	0.6	0.8	0.9
1058	245484	N55081	2.6	15.0	0.0	0.0	0.0	0.8	0.6	0.8	0.9
19100	435950	AA701964	3.5	15.0	0.0	0.0	0.0	0.8	0.6	0.8	0.9
2947	127766	R08598	41.3	9.0	8.0	2.0	0.0	0.8	0.7	0.6	0.9
11995	197692	R94521	11.2	13.0	4.0	0.0	0.0	0.8	0.7	0.6	0.9
14445	283688	N52938	208.9	12.0	6.0	0.0	0.0	0.8	0.7	0.6	0.9
3409	293128	N91997	5.1	10.0	6.0	2.0	0.0	0.8	0.7	0.6	0.9
14767	840992	AI734182	247.3	12.0	6.0	0.0	0.0	0.8	0.7	0.6	0.9
8879	203888	H56640	29.3	13.0	2.0	1.0	0.0	0.8	0.9	0.4	0.9
18855	434799	AA701893	3.2	14.0	2.0	0.0	0.0	0.8	0.9	0.4	0.9
11247	503064	AA149253	3.5	14.0	2.0	0.0	0.0	0.8	0.9	0.4	0.9
11447	842896	AA489276	38.8	13.0	4.0	0.0	0.0	0.8	0.9	0.4	0.9
21554	128202	R11498	19.9	11.0	6.0	1.0	0.0	0.8	0.3	1.4	0.8

Table 4

373	194307	H50657	10.0	12.0	4.0	1.0	0.0	0.8	0.3	1.4	0.8
348	239661	H79565	4.4	13.0	2.0	1.0	0.0	0.8	0.3	1.4	0.8
10844	279171	N47168	7.6	13.0	4.0	0.0	0.0	0.8	0.6	1	0.8
18600	450233	AA703553	22.8	13.0	4.0	0.0	0.0	0.8	0.6	1	0.8
10315	796084	AA460366	32.0	12.0	6.0	0.0	0.0	0.8	0.6	1	0.8
54	82871	T69271	2.9	13.0	4.0	0.0	0.0	0.8	0.7	0.8	0.8
39	665658	AA195636	6.7	12.0	4.0	1.0	0.0	0.8	0.7	0.8	0.8
16911	277679	N46007	59.5	14.0	2.0	0.0	0.0	0.8	0.9	0.6	0.8
12980	878129	AA775423	1.7	11.0	6.0	1.0	0.0	0.8	0.9	0.6	0.8
18115	290370	N62301	6.0	10.0	3.0	1.0	1.0	0.8	1.0	0.4	0.8
8249	418098	W90486	3.7	14.0	2.0	0.0	0.0	0.8	1.0	0.4	0.8
83	810242	AA464711	6.8	14.0	2.0	0.0	0.0	0.8	1.0	0.4	0.8
12129	141815	R70685	25.1	12.0	2.0	2.0	0.0	0.8	1.3	0	0.8
12779	240273	H89713	4.6	13.0	4.0	0.0	0.0	0.8	1.3	0	0.8
11986	416556	W86987	4.5	14.0	2.0	0.0	0.0	0.8	1.3	0	0.8
6532	488271	AA088214	45.1	12.0	4.0	1.0	0.0	0.8	0.4	1.4	0.8
19692	362748	AA018232	26.6	13.0	4.0	0.0	0.0	0.8	0.6	1.2	0.8
20505	396829	AA758152	14.6	14.0	2.0	0.0	0.0	0.8	0.6	1.2	0.8
5984	196125	R92348	32.5	12.0	6.0	0.0	0.0	0.8	0.7	1	0.8
15827	284457	N52337	24.8	10.0	6.0	2.0	0.0	0.8	0.7	1	0.8
5277	366389	AA025807	222.2	9.0	6.0	3.0	0.0	0.8	0.7	1	0.8
323	110347	T71629	4.0	14.0	2.0	0.0	0.0	0.8	0.9	0.8	0.8
14696	121580	T97921	56.5	14.0	2.0	0.0	0.0	0.8	0.9	0.8	0.8
2549	124155	R01257	5.1	15.0	0.0	0.0	0.0	0.8	0.9	0.8	0.8
595	126371	R06453	3.1	15.0	0.0	0.0	0.0	0.8	0.9	0.8	0.8
3662	128561	R10333	2.8	15.0	0.0	0.0	0.0	0.8	0.9	0.8	0.8
508	196387	R91502	3.1	14.0	2.0	0.0	0.0	0.8	0.9	0.8	0.8
5132	293403	N68854	4.0	14.0	2.0	0.0	0.0	0.8	0.9	0.8	0.8
301	296498	N74650	2.2	13.0	4.0	0.0	0.0	0.8	0.9	0.8	0.8
5359	490751	AA122269	2.9	14.0	2.0	0.0	0.0	0.8	0.9	0.8	0.8
17362	773248	AA425773	337.6	11.0	4.0	2.0	0.0	0.8	0.9	0.8	0.8
11861	49728	H29198	4.2	11.0	6.0	1.0	0.0	0.8	1.0	0.6	0.8
6919	265625	N22827	36.7	14.0	2.0	0.0	0.0	0.8	1.1	0.4	0.8
6296	486623	AA043457	4.5	14.0	2.0	0.0	0.0	0.8	1.1	0.4	0.8
1696	782513	AA432030	42.8	7.0	6.0	5.0	0.0	0.8	1.4	0	0.8
4470	111722	T91086	2.5	14.0	2.0	0.0	0.0	0.8	0.6	1.4	0.8
2130	124891	R06119	5.6	13.0	4.0	0.0	0.0	0.8	0.6	1.4	0.8
2301	243199	H94492	3.9	13.0	2.0	1.0	0.0	0.8	0.6	1.4	0.8
4991	143054	R71234	6.1	12.0	6.0	0.0	0.0	0.8	0.7	1.2	0.8
17684	309058	AI668705	2.5	14.0	2.0	0.0	0.0	0.8	0.9	1	0.8
4290	147414	H01340	3.0	14.0	2.0	0.0	0.0	0.8	1.0	0.8	0.8
2539	207006	R98822	2.6	14.0	2.0	0.0	0.0	0.8	1.0	0.8	0.8
18830	289534	N59251	1.1	12.0	4.0	1.0	0.0	0.8	1.0	0.8	0.8
19799	434972	AA700690	10.1	13.0	4.0	0.0	0.0	0.8	1.0	0.8	0.8
9258	305677	W19716	12.2	11.0	4.0	2.0	0.0	0.8	1.1	0.6	0.8
18532	435714	AA699972	5.5	13.0	4.0	0.0	0.0	0.8	1.1	0.6	0.8
1045	127243	R08297	7.6	11.0	4.0	2.0	0.0	0.8	0.7	1.4	0.7
218	66341	T66849	5.1	15.0	0.0	0.0	0.0	0.8	0.9	1.2	0.7
1117	202320	H52702	2.9	15.0	0.0	0.0	0.0	0.8	0.9	1.2	0.7
14328	241447	H90407	36.3	13.0	4.0	0.0	0.0	0.8	1.0	1	0.7
21462	280784	N50655	10.8	10.0	4.0	3.0	0.0	0.8	1.0	1	0.7
9708	755301	AA496409	7.2	14.0	2.0	0.0	0.0	0.8	1.0	1	0.7
6744	49491	H16718	5.5	13.0	4.0	0.0	0.0	0.8	1.1	0.8	0.7
12981	813310	AA456529	12.2	13.0	4.0	0.0	0.0	0.8	1.4	0.4	0.7
16280	214262	H77818	31.4	14.0	2.0	0.0	0.0	0.8	0.9	1.4	0.7
203	245000	N54946	28.7	12.0	6.0	0.0	0.0	0.8	0.9	1.4	0.7
8127	279392	N48700	2.7	13.0	4.0	0.0	0.0	0.8	0.9	1.4	0.7

Table 4

271	123067	T98531	5.8	13.0	4.0	0.0	0.0	0.8	1.0	1.2	0.7
18205	290067	N80119	17.8	14.0	2.0	0.0	0.0	0.8	1.0	1.2	0.7
9658	427930	AA001976	3.1	14.0	2.0	0.0	0.0	0.8	1.0	1.2	0.7
5978	109466	T81301	5.6	14.0	2.0	0.0	0.0	0.8	1.1	1	0.7
5564	306013	N91385	4.8	12.0	4.0	1.0	0.0	0.8	1.1	1	0.7
6299	320495	W31885	4.5	12.0	4.0	1.0	0.0	0.8	1.1	1	0.7
1920	323917	W46303	2.0	13.0	2.0	1.0	0.0	0.8	1.1	1	0.7
5924	705265	AA280677	7.2	14.0	2.0	0.0	0.0	0.8	1.3	0.8	0.7
22211	433571	AA701654	3.4	14.0	2.0	0.0	0.0	0.8	1.0	1.4	0.6
6816	49810	H15288	3.0	10.0	8.0	1.0	0.0	0.8	1.1	1.2	0.6
4169	234484	H95360	2.8	15.0	0.0	0.0	0.0	0.8	1.1	1.2	0.6
338	245217	N54487	4.1	13.0	4.0	0.0	0.0	0.8	1.1	1.2	0.6
2179	125822	R07650	2.8	14.0	2.0	0.0	0.0	0.8	1.3	1.2	0.6
21094	199185	R95749	8.1	11.0	4.0	2.0	0.0	0.8	1.4	1	0.6
12362	510380	AA055403	92.9	13.0	4.0	0.0	0.0	0.8	1.3	1.4	0.6
5948	123627	R01669	26.2	13.0	4.0	0.0	0.0	0.8	1.4	1.4	0.5
26956	39811	R53927	293.8	11.0	5.0	1.0	0.0	0.8	0.0	0.0	1.5
25910	377987	AA788874	11.3	6.0	4.0	4.0	1.0	0.8	0.0	3.0	0.9
1803	120598	T95558	3.7	14.0	1.0	0.0	0.0	0.8	0.3	1.8	0.7
8516	302180	N79989	8.4	13.0	1.0	1.0	0.0	0.8	0.3	1.8	0.7
7010	323988	W46488	14.2	10.0	5.0	2.0	0.0	0.8	0.3	2	0.7
10937	307304	W21225	11.6	10.0	5.0	2.0	0.0	0.8	1.7	0	0.7
2883	127096	R08110	13.1	11.0	5.0	1.0	0.0	0.8	0.7	1.6	0.6
16837	823615	AA496957	10.1	10.0	5.0	2.0	0.0	0.8	1.9	0	0.6
4244	727292	AA401693	9.5	11.0	3.0	2.0	0.0	0.8	1.7	0.4	0.6
605	154482	R54665	19.3	11.0	5.0	1.0	0.0	0.8	1.7	0.6	0.6
9830	713974	AA285109	12.6	11.0	7.0	0.0	0.0	0.8	1.7	0.6	0.6
20045	739230	AA421335	14.2	8.0	4.0	2.0	1.0	0.8	2.1	0	0.6
1966	810213	AA464525	21.9	7.0	4.0	3.0	1.0	0.8	2.1	0	0.6
3289	470216	AA028987	20.6	11.0	5.0	1.0	0.0	0.8	0.6	2.4	0.5
21800	360357	13354:AA013	2.5	12.0	3.0	1.0	0.0	0.8	1.7	0.8	0.5
19118	703636	AA278594	54.1	13.0	3.0	0.0	0.0	0.8	1.3	1.6	0.5
21169	261492	H98619	14.7	10.0	5.0	2.0	0.0	0.8	2.1	0.4	0.5
21248	814779	AA465616	45.8	8.0	4.0	2.0	1.0	0.8	2.1	0.4	0.5
6124	771058	AA428159	5.7	13.0	1.0	1.0	0.0	0.8	2.1	0.8	0.4
21537	471835	AA035137	29.3	9.0	2.0	2.0	1.0	0.8	2.4	0.8	0.3
20453	739257	AI733924	8.4	6.0	3.0	2.0	2.0	0.8	3.3	0	0.2
13672	753252	AA406505	48.8	5.0	3.0	3.0	2.0	0.8	0.7	4.4	0.1
22274	683276	AA213668	2.6	10.0	9.0	0.0	0.0	0.8	0.0	0.5	1.4
25168	753428	AA410434	16.1	8.0	6.0	1.0	1.0	0.8	1.0	0.0	1.3
7673	41103	R56769	64.7	11.0	5.0	1.0	0.0	0.8	0.0	0	1.2
7192	84079	T71070	3.1	13.0	3.0	0.0	0.0	0.8	0.0	0	1.2
14784	122872	R00129	205.4	12.0	3.0	1.0	0.0	0.8	0.0	0	1.2
20662	197648	R94495	250.3	11.0	5.0	1.0	0.0	0.8	0.0	0	1.2
16908	305937	N91347	14.1	8.0	4.0	2.0	1.0	0.8	0.0	0	1.2
601	785816	AA449048	33.2	11.0	5.0	1.0	0.0	0.8	0.0	0	1.2
24551	124510	R02259	44.7	14.0	1.0	0.0	0.0	0.8	1.2	0.5	1.1
9904	83156	T68226	247.6	11.0	7.0	0.0	0.0	0.8	0.0	0.4	1.1
19638	194908	R90958	151.2	11.0	5.0	1.0	0.0	0.8	0.0	0.4	1.1
10790	196070	R89374	306.7	10.0	5.0	2.0	0.0	0.8	0.0	0.4	1.1
2249	211940	H66740	2.9	12.0	5.0	0.0	0.0	0.8	0.0	0.4	1.1
5309	213871	H72533	5.8	10.0	5.0	2.0	0.0	0.8	0.0	0.4	1.1
10149	365575	AA009484	1.3	5.0	3.0	3.0	2.0	0.8	0.0	0.4	1.1
12053	501876	AA128008	81.0	11.0	7.0	0.0	0.0	0.8	0.0	0.4	1.1
8807	45344	H10472	111.3	12.0	5.0	0.0	0.0	0.8	0.3	0	1.1
8498	247261	N57950	49.1	11.0	3.0	2.0	0.0	0.8	0.3	0	1.1
12897	254564	N23652	15.4	12.0	5.0	0.0	0.0	0.8	0.3	0	1.1

Table 4

14675	285760	N64145	261.1	11.0	3.0	2.0	0.0	0.8	0.3	0	1.1
15376	321958	W37733	128.8	13.0	3.0	0.0	0.0	0.8	0.3	0	1.1
5890	824044	AA491206	4.4	13.0	3.0	0.0	0.0	0.8	0.3	0	1.1
26875	506326	AA709322	67.7	10.0	2.0	1.0	1.0	0.8	1.4	0.5	1.1
4096	141209	R66533	22.4	6.0	6.0	3.0	1.0	0.8	0.0	0.6	1.0
1873	199205	R95760	3.4	13.0	3.0	0.0	0.0	0.8	0.0	0.6	1.0
6578	487151	AA043790	30.8	6.0	6.0	3.0	1.0	0.8	0.0	0.6	1.0
10038	429299	AA007370	9.8	11.0	5.0	1.0	0.0	0.8	0.4	0	1.0
5959	131668	R23810	3.8	14.0	1.0	0.0	0.0	0.8	0.0	0.8	1.0
4474	246680	N57728	2.4	14.0	1.0	0.0	0.0	0.8	0.0	0.8	1.0
3492	49518	H15707	197.5	12.0	3.0	1.0	0.0	0.8	0.3	0.4	1.0
8633	110903	T82884	107.7	12.0	3.0	1.0	0.0	0.8	0.3	0.4	1.0
15524	123735	R01179	143.2	13.0	3.0	0.0	0.0	0.8	0.3	0.4	1.0
17117	234332	N28256	140.0	13.0	3.0	0.0	0.0	0.8	0.3	0.4	1.0
12865	254274	N22494	130.2	14.0	1.0	0.0	0.0	0.8	0.3	0.4	1.0
12319	260170	N32072	25.6	8.0	4.0	2.0	1.0	0.8	0.3	0.4	1.0
5286	344352	W73366	4.4	13.0	3.0	0.0	0.0	0.8	0.3	0.4	1.0
17604	397658	AA708279	31.2	14.0	1.0	0.0	0.0	0.8	0.3	0.4	1.0
16592	773535	AA428160	16.0	13.0	3.0	0.0	0.0	0.8	0.3	0.4	1.0
15870	810112	AA464972	40.6	12.0	5.0	0.0	0.0	0.8	0.3	0.4	1.0
15557	153614	AI732268	222.0	13.0	3.0	0.0	0.0	0.8	0.6	0	1.0
3018	206786	R98042	3.0	12.0	5.0	0.0	0.0	0.8	0.6	0	1.0
6633	429932	AA033991	2.9	12.0	3.0	1.0	0.0	0.8	0.6	0	1.0
8875	810459	AA457138	9.2	8.0	4.0	2.0	1.0	0.8	0.6	0	1.0
4130	309685	W30810	5.3	12.0	2.0	1.0	0.0	0.8	0.0	1.8	0.8
3594	842863	AA486403	51.4	9.0	4.0	3.0	0.0	0.8	0.0	1.8	0.8
22351	24067	T78739	16.4	12.0	4.0	0.0	0.0	0.8	1.6	1.5	0.7
22096	392624	AA708299	4.4	13.0	2.0	0.0	0.0	0.8	0.3	1.6	0.7
18553	392711	AA708058	53.2	11.0	4.0	1.0	0.0	0.8	0.3	1.6	0.7
18784	454326	AA677240	73.0	11.0	4.0	1.0	0.0	0.8	0.3	1.6	0.7
26961	855723	AA663960	24.2	9.0	6.0	2.0	0.0	0.8	0.6	3.0	0.7
2759	50413	H17198	3.1	9.0	6.0	2.0	0.0	0.8	0.4	1.6	0.7
4851	121687	T97628	3.0	13.0	2.0	0.0	0.0	0.8	1.7	0	0.6
6322	795208	AA453579	10.3	12.0	4.0	0.0	0.0	0.8	1.7	0	0.6
18379	28277	R37472	5.5	11.0	4.0	1.0	0.0	0.8	0.6	1.8	0.6
4379	814765	AA454947	20.5	11.0	6.0	0.0	0.0	0.8	1.6	0.4	0.6
19584	450680	AA682642	36.2	10.0	4.0	2.0	0.0	0.8	0.6	2	0.6
9105	343867	W69953	15.1	11.0	4.0	1.0	0.0	0.8	1.7	0.4	0.6
21806	586650	AA129135	15.3	9.0	4.0	3.0	0.0	0.8	1.7	0.4	0.6
8272	47400	H10627	2.7	10.0	4.0	2.0	0.0	0.8	0.7	2	0.5
1119	193913	R83837	14.5	12.0	4.0	0.0	0.0	0.8	1.6	0.8	0.5
472	144834	R77252	8.9	11.0	4.0	1.0	0.0	0.8	1.7	0.8	0.5
27073	161923	H26069	8.1	9.0	3.0	1.0	1.0	0.8	3.4	0.5	0.5
18344	453641	AA775899	8.2	8.0	3.0	2.0	1.0	0.8	0.0	3.4	0.4
13640	753198	AA406456	12.2	11.0	4.0	1.0	0.0	0.8	1.7	1	0.4
21413	755304	AA410232	30.9	7.0	5.0	2.0	1.0	0.8	1.9	1	0.4
18942	814086	AA465426	17.8	9.0	3.0	1.0	1.0	0.8	1.0	2.6	0.3
8376	49203	H15695	7.7	6.0	2.0	2.0	2.0	0.8	2.9	0	0.3
2085	511816	AA088744	42.8	6.0	2.0	2.0	2.0	0.8	2.9	0.4	0.2
14506	788667	AA449903	9.3	11.0	4.0	1.0	0.0	0.8	2.0	2	0.2
16831	1323328	AA872602	3.5	4.0	4.0	3.0	2.0	0.8	0.0	5.6	0.0
25933	41329	R56813	26.5	12.0	4.0	0.0	0.0	0.8	0.4	0.5	1.3
26082	1636812	AI017363	4.0	11.0	6.0	0.0	0.0	0.8	0.4	0.8	1.2
24997	179572	H51434	10.9	8.0	5.0	1.0	1.0	0.8	0.6	0.8	1.2
13370	726551	AA394152	7.6	12.0	4.0	0.0	0.0	0.8	0.0	0	1.1
8070	795758	AA461592	119.3	12.0	2.0	1.0	0.0	0.8	0.0	0	1.1
10819	810937	AA459614	1.7	4.0	4.0	3.0	2.0	0.8	0.0	0	1.1

Table 4

23022	825844	AA491386	80.2	12.0	4.0	0.0	0.0	0.8	1.0	0.5	1.1
26120	1034644	AA779843	9.2	12.0	2.0	1.0	0.0	0.8	1.4	0.0	1.1
17873	32310	R42714	476.2	12.0	4.0	0.0	0.0	0.8	0.3	0	1.0
12517	74283	T53976	1309.6	12.0	4.0	0.0	0.0	0.8	0.3	0	1.0
5854	210887	H65676	48.9	9.0	6.0	2.0	0.0	0.8	0.3	0	1.0
16373	238461	H65409	180.8	12.0	4.0	0.0	0.0	0.8	0.3	0	1.0
329	245235	N54497	60.7	12.0	4.0	0.0	0.0	0.8	0.3	0	1.0
16907	257926	N27028	582.0	11.0	6.0	0.0	0.0	0.8	0.3	0	1.0
16029	284724	N63062	20.2	11.0	6.0	0.0	0.0	0.8	0.3	0	1.0
14818	340737	W56424	224.4	14.0	0.0	0.0	0.0	0.8	0.3	0	1.0
15679	648011	AA204743	330.1	11.0	6.0	0.0	0.0	0.8	0.3	0	1.0
11857	41192	R56134	34.6	6.0	6.0	5.0	0.0	0.8	0.0	0.6	1.0
12213	46977	H10372	179.9	11.0	6.0	0.0	0.0	0.8	0.0	0.6	1.0
11444	49941	H29211	40.7	8.0	6.0	3.0	0.0	0.8	0.0	0.6	1.0
8045	51020	H19312	95.3	10.0	4.0	2.0	0.0	0.8	0.0	0.6	1.0
10370	126513	R06746	30.7	7.0	6.0	4.0	0.0	0.8	0.0	0.6	1.0
22166	322194	W37782	254.4	11.0	4.0	1.0	0.0	0.8	0.0	0.6	1.0
6251	809703	AA454710	4.8	10.0	5.0	1.0	0.0	0.7	0.0	1.6	0.8
22779	448017	AA702795	21.5	13.0	1.0	0.0	0.0	0.7	1.8	1.0	0.7
18702	130050	R19410	6.7	10.0	5.0	1.0	0.0	0.7	0.3	1.6	0.7
5913	840691	AA488075	49.6	10.0	5.0	1.0	0.0	0.7	1.6	0	0.6
12063	502333	AA156793	22.8	8.0	5.0	3.0	0.0	0.7	0.0	2.4	0.6
13148	299570	N74997	4.3	11.0	3.0	1.0	0.0	0.7	0.3	2	0.6
1284	129392	R11184	7.6	10.0	5.0	1.0	0.0	0.7	0.6	1.6	0.6
11602	281483	N53192	7.5	12.0	3.0	0.0	0.0	0.7	0.6	1.6	0.6
12589	767706	AA417956	56.1	8.0	2.0	2.0	1.0	0.7	1.7	0	0.6
23249	249486	H84893	35.2	11.0	3.0	1.0	0.0	0.7	2.4	1.0	0.6
5131	812266	AA455062	20.6	6.0	6.0	2.0	1.0	0.7	1.9	0	0.6
9423	1034776	AA621535	11.8	11.0	3.0	1.0	0.0	0.7	0.6	2	0.5
4452	293755	N98243	6.9	11.0	5.0	0.0	0.0	0.7	1.6	0.6	0.5
19391	684311	AA235974	5.1	12.0	3.0	0.0	0.0	0.7	1.0	1.6	0.5
20131	136070	R34273	13.3	8.0	2.0	2.0	1.0	0.7	2.1	0	0.5
12108	51511	H19400	3.1	8.0	5.0	3.0	0.0	0.7	1.7	1	0.4
17546	131979	R24882	195.9	7.0	6.0	1.0	1.0	0.7	1.9	1	0.4
3494	288896	N78391	21.7	7.0	4.0	2.0	1.0	0.7	2.1	0.6	0.4
836	563598	AA102670	3.6	9.0	5.0	2.0	0.0	0.7	2.1	1	0.3
20594	878681	AA775364	1111.1	5.0	3.0	2.0	2.0	0.7	2.9	0	0.3
14872	38887	R51513	2.3	9.0	3.0	3.0	0.0	0.7	2.0	1.4	0.2
9776	298417	N74131	2.9	7.0	4.0	2.0	1.0	0.7	3.3	0	0.2
25573	858315	AA634054	6.4	6.0	4.0	3.0	1.0	0.7	3.6	1.8	0.1
25006	430368	AA680070	9.1	8.0	4.0	1.0	1.0	0.7	0.4	0.0	1.3
22844	858510	AA774082	14.2	10.0	5.0	1.0	0.0	0.7	0.6	0.0	1.3
25403	1475842	AA872143	166.4	7.0	4.0	2.0	1.0	0.7	0.0	1.3	1.2
7730	121012	T96228	32.5	12.0	3.0	0.0	0.0	0.7	0.0	0	1.1
4836	136571	R34382	3.8	11.0	5.0	0.0	0.0	0.7	0.0	0	1.1
18359	1325751	AA873089	7.2	7.0	4.0	2.0	1.0	0.7	0.0	0	1.1
22371	453617	AA679588	8.4	12.0	3.0	0.0	0.0	0.7	1.0	0.5	1.1
22509	23427	R38099	113.9	13.0	1.0	0.0	0.0	0.7	1.2	0.5	1.0
9876	24915	R39066	3.5	10.0	5.0	1.0	0.0	0.7	0.0	0.4	1.0
8757	46471	H09778	156.7	9.0	7.0	1.0	0.0	0.7	0.0	0.4	1.0
20646	197338	R86920	148.3	10.0	5.0	1.0	0.0	0.7	0.0	0.4	1.0
9845	324891	W49761	163.7	12.0	3.0	0.0	0.0	0.7	0.0	0.4	1.0
19642	725076	AA404719	324.7	11.0	3.0	1.0	0.0	0.7	0.0	0.4	1.0
11258	811604	AA458534	278.3	11.0	3.0	1.0	0.0	0.7	0.0	0.4	1.0
16866	29093	R41169	61.7	11.0	5.0	0.0	0.0	0.7	0.3	0	1.0
17482	839978	AA490158	85.9	10.0	5.0	1.0	0.0	0.7	0.3	0	1.0
17630	38477	R36299	6.6	9.0	6.0	1.0	0.0	0.7	0.0	1.6	0.7

Table 4

7720	269787	N40082	6.9	8.0	6.0	2.0	0.0	0.7	0.0	1.6	0.7
22803	448205	AA777233	43.9	12.0	2.0	0.0	0.0	0.7	1.8	1.0	0.7
620	140732	R66268	2.5	12.0	2.0	0.0	0.0	0.7	0.3	1.6	0.6
23582	399240	AA774478	6.9	7.0	3.0	2.0	1.0	0.7	1.4	1.8	0.6
12389	591671	AA147439	6.5	10.0	4.0	1.0	0.0	0.7	1.5	0	0.6
9220	501981	AA128560	4.8	11.0	2.0	1.0	0.0	0.7	0.6	2	0.5
16729	279176	N46845	11.5	9.0	1.0	1.0	1.0	0.7	1.7	0.4	0.5
655	321580	W32884	21.3	9.0	4.0	2.0	0.0	0.7	0.7	2	0.4
13822	34526	R24591	10.6	8.0	4.0	3.0	0.0	0.7	1.9	0.4	0.4
446	823696	AA489640	20.7	7.0	3.0	2.0	1.0	0.7	2.1	0	0.4
9336	844680	AA670107	7.5	6.0	3.0	3.0	1.0	0.7	2.3	0	0.4
11227	284531	N64753	4.3	9.0	4.0	2.0	0.0	0.7	1.6	1.2	0.4
9470	1031076	AA610066	18.1	9.0	4.0	2.0	0.0	0.7	1.7	1	0.4
17327	797054	AA463230	6.3	7.0	5.0	1.0	1.0	0.7	0.9	3.4	0.1
14112	28737	R40835	4.3	8.0	3.0	1.0	1.0	0.7	0.9	3.6	0.1
14199	48610	H16179	1.9	7.0	3.0	2.0	1.0	0.7	1.7	2.4	0.1
22807	20075	H17321	322.9	12.0	2.0	0.0	0.0	0.7	0.4	0.0	1.3
23799	884343	AA629532	157.0	12.0	2.0	0.0	0.0	0.7	0.4	0.0	1.3
16915	257730	N27303	13.9	11.0	4.0	0.0	0.0	0.7	0.0	0	1.0
17679	280329	N47090	4.8	12.0	2.0	0.0	0.0	0.7	0.0	0	1.0
10327	321751	W35416	226.9	11.0	2.0	1.0	0.0	0.7	0.0	0	1.0
19674	647866	AA206996	14.9	9.0	6.0	1.0	0.0	0.7	0.0	0	1.0
16736	754101	AA478875	8.9	6.0	5.0	2.0	1.0	0.7	0.0	0	1.0
21028	815550	AA456818	43.6	8.0	4.0	3.0	0.0	0.7	0.0	0	1.0
19564	435967	AA703208	18.8	8.0	5.0	2.0	0.0	0.7	0.3	1.6	0.6
3343	244058	N45440	3.2	12.0	1.0	0.0	0.0	0.7	0.3	1.8	0.6
120	193913	R83837	12.3	7.0	7.0	2.0	0.0	0.7	1.6	0	0.6
23929	272148	N44783	76.3	11.0	3.0	0.0	0.0	0.7	1.8	1.5	0.5
7774	427893	AA001359	10.9	9.0	5.0	1.0	0.0	0.7	0.6	1.6	0.5
1017	123354	T99617	6.9	10.0	3.0	1.0	0.0	0.7	1.7	0	0.5
6115	488202	AA046424	5.2	10.0	3.0	1.0	0.0	0.7	0.4	2	0.5
13423	48033	H11760	5.9	7.0	5.0	3.0	0.0	0.7	1.9	0	0.5
20178	151201	H02307	10.9	7.0	5.0	3.0	0.0	0.7	1.9	0	0.5
20825	844703	AA670123	20.4	7.0	4.0	1.0	1.0	0.7	1.9	0	0.5
13820	858450	AA773983	4.0	10.0	3.0	1.0	0.0	0.7	1.7	0.4	0.4
22534	267679	N34150	21.3	10.0	5.0	0.0	0.0	0.7	1.8	2.0	0.4
11695	299162	W05282	14.1	7.0	4.0	1.0	1.0	0.7	0.7	2	0.4
14476	665445	AA195080	35.8	9.0	3.0	2.0	0.0	0.7	1.7	0.8	0.4
7106	769712	AA429076	10.2	10.0	3.0	1.0	0.0	0.7	1.7	0.8	0.4
9006	795309	AA454160	5.3	6.0	4.0	2.0	1.0	0.7	0.3	3	0.3
17248	1343732	AA725564	11.1	6.0	4.0	2.0	1.0	0.7	0.3	3	0.3
23520	51771	H23209	2.6	7.0	4.0	1.0	1.0	0.7	1.0	3.8	0.3
10867	283190	N51357	3.0	8.0	2.0	1.0	1.0	0.7	1.7	1.8	0.2
5446	51916	H22563	5.2	8.0	5.0	2.0	0.0	0.7	1.9	1.6	0.2
22124	190325	H29897	7.7	8.0	5.0	2.0	0.0	0.7	2.0	1.8	0.1
11757	340657	W56771	22.9	4.0	3.0	2.0	2.0	0.7	0.0	5	0.0
24201	854088	AA669162	45.8	10.0	5.0	0.0	0.0	0.7	0.4	0.0	1.2
24754	970731	AA774833	260.0	11.0	3.0	0.0	0.0	0.7	0.4	0.0	1.2
22372	451011	AA704293	6.6	11.0	3.0	0.0	0.0	0.7	0.4	0.5	1.1
20190	196569	R91639	173.6	8.0	5.0	2.0	0.0	0.7	0.0	0	1.0
7129	250069	H97140	2.7	6.0	4.0	2.0	1.0	0.7	0.0	0	1.0
15850	784010	AA443695	165.1	10.0	3.0	1.0	0.0	0.7	0.0	0	1.0
22906	362635	AA018124	20.6	10.0	4.0	0.0	0.0	0.6	1.6	1.0	0.6
26290	447949	AA702464	7.5	10.0	4.0	0.0	0.0	0.6	0.8	2.3	0.6
23242	214307	H77843	13.2	11.0	2.0	0.0	0.0	0.6	1.8	1.0	0.6
4795	39808	R54050	22.1	6.0	3.0	2.0	1.0	0.6	1.7	0	0.5
17935	42123		17.6	6.0	3.0	2.0	1.0	0.6	1.7	0	0.5

Table 4

3396	323636	W44517	2.6	11.0	2.0	0.0	0.0	0.6	1.7	0	0.5
26166	1607229	AI014441	29.2	5.0	5.0	2.0	1.0	0.6	1.0	2.5	0.5
22536	745385	AA625751	27.1	11.0	2.0	0.0	0.0	0.6	1.8	1.5	0.5
20259	431944	AA678160	37.1	9.0	2.0	2.0	0.0	0.6	1.7	0.4	0.4
1600	33478	R44864	1.1	7.0	3.0	1.0	1.0	0.6	0.7	2	0.4
10082	297021	N70411	16.8	10.0	4.0	0.0	0.0	0.6	1.0	1.6	0.4
6331	502880	AA128536	21.1	9.0	4.0	1.0	0.0	0.6	1.0	1.6	0.4
11697	770997	AA428421	30.2	7.0	3.0	1.0	1.0	0.6	2.1	0	0.4
20130	1475028	AA857413	1621.0	6.0	3.0	2.0	1.0	0.6	2.1	0	0.4
3940	841470	AA487231	22.9	8.0	4.0	2.0	0.0	0.6	2.3	0	0.3
10367	809657	AA456331	114.3	6.0	3.0	2.0	1.0	0.6	2.4	0	0.3
18849	769945	AA430638	28.8	7.0	3.0	1.0	1.0	0.6	1.9	1	0.2
12285	50266	H17569	5.3	7.0	3.0	1.0	1.0	0.6	1.0	2.4	0.2
11825	40908	R55894	2.9	4.0	2.0	2.0	2.0	0.6	2.9	0	0.2
27651	26267	R39769	191.8	10.0	4.0	0.0	0.0	0.6	0.4	0.0	1.2
23115	462924	AA682320	78.3	10.0	4.0	0.0	0.0	0.6	0.6	0.0	1.1
22788	796100	AA460370	28.6	11.0	2.0	0.0	0.0	0.6	0.8	0.0	1.1
23354	186767	H50622	148.0	6.0	4.0	1.0	1.0	0.6	2.0	0.0	0.7
27563	506637	AA708789	26.3	11.0	1.0	0.0	0.0	0.6	1.4	1.5	0.5
22412	460108	AA676837	47.1	11.0	1.0	0.0	0.0	0.6	1.8	1.0	0.5
16506	726889	AA398430	5.8	5.0	4.0	2.0	1.0	0.6	0.0	2	0.5
7624	84211	T72915	29.8	9.0	3.0	1.0	0.0	0.6	0.3	1.6	0.5
8993	415095	W93382	11.8	8.0	3.0	2.0	0.0	0.6	0.0	2.4	0.4
8710	197520	H51992	24.6	9.0	3.0	1.0	0.0	0.6	0.3	2	0.4
6539	782450	AA431434	17.5	9.0	3.0	1.0	0.0	0.6	0.3	2	0.4
13371	39191	R54542	3.8	7.0	5.0	2.0	0.0	0.6	1.7	0	0.4
2813	207029	R98842	608.5	8.0	3.0	2.0	0.0	0.6	1.7	0	0.4
14129	754582	AA411380	6.7	9.0	3.0	1.0	0.0	0.6	1.7	0	0.4
2061	525566	AA064668	24.6	9.0	3.0	1.0	0.0	0.6	1.6	0.4	0.4
20487	430687	AA677880	5.0	10.0	1.0	1.0	0.0	0.6	0.6	2.2	0.3
23	756373	AA481950	3.7	11.0	1.0	0.0	0.0	0.6	0.9	1.8	0.3
16962	595181	AA173408	24.4	7.0	5.0	2.0	0.0	0.6	1.7	0.6	0.3
3629	824568	AA490981	16.8	7.0	5.0	2.0	0.0	0.6	1.6	1	0.3
12082	795875	AA460749	2.4	9.0	3.0	1.0	0.0	0.6	1.6	1.2	0.2
18832	454564	AA677025	4.8	7.0	2.0	1.0	1.0	0.6	2.0	0.6	0.2
16204	306384	N90704	8.5	6.0	4.0	1.0	1.0	0.6	2.1	0.4	0.2
21399	131094	R23322	11.8	6.0	2.0	2.0	1.0	0.6	1.3	2	0.2
6753	757222	AA496148	6.6	5.0	4.0	2.0	1.0	0.6	1.0	2.6	0.1
6787	491751	AA156704	20.5	4.0	4.0	3.0	1.0	0.6	2.6	1	0.0
25238	377642	AA055968	18.8	5.0	4.0	2.0	1.0	0.6	0.0	0.0	1.2
27146	824640	AA482150	54.3	10.0	3.0	0.0	0.0	0.6	0.0	0.0	1.2
26285	859082	AA666234	37.8	10.0	3.0	0.0	0.0	0.6	0.0	0.0	1.2
26515	897745	AA599007	95.0	9.0	3.0	1.0	0.0	0.6	0.0	0.0	1.2
24156	23572	T77308	136.4	10.0	3.0	0.0	0.0	0.6	0.4	0.0	1.1
25532	27916	R40920	55.6	10.0	3.0	0.0	0.0	0.6	0.4	0.0	1.1
26948	39725	R52326	237.2	10.0	3.0	0.0	0.0	0.6	0.4	0.0	1.1
22736	43831	H05772	16.5	11.0	1.0	0.0	0.0	0.6	0.4	0.0	1.1
25183	233589	H77360	255.0	10.0	3.0	0.0	0.0	0.6	0.4	0.0	1.1
24688	1460238	AA883327	9.5	10.0	3.0	0.0	0.0	0.6	0.4	0.0	1.1
24238	415161	W94876	22.6	7.0	5.0	2.0	0.0	0.6	0.0	1.0	1.0
27840	1584411	AA971543	35.5	8.0	4.0	1.0	0.0	0.6	1.8	0.8	0.5
4823	124241	R02017	4.1	10.0	2.0	0.0	0.0	0.6	0.3	1.6	0.5
21214	302974	N91115	13.0	10.0	2.0	0.0	0.0	0.6	0.3	1.6	0.5
27076	969560	AA772789	5.5	9.0	4.0	0.0	0.0	0.6	1.0	2.0	0.5
24096	1032170	AA778448	17.7	7.0	4.0	2.0	0.0	0.6	1.0	2.0	0.5
22883	454178	AA677078	11.5	10.0	2.0	0.0	0.0	0.6	1.4	1.5	0.5
17376	375619	AA027266	6.4	8.0	4.0	1.0	0.0	0.6	0.0	2.2	0.4

Table 4

22735	34049	R19846	3.2	10.0	2.0	0.0	0.0	0.6	2.0	1.0	0.4
11446	626016	AA188573	26.7	6.0	3.0	1.0	1.0	0.6	1.9	0	0.4
3945	301061	W07798	10.3	10.0	2.0	0.0	0.0	0.6	0.7	1.8	0.3
19592	814443	AA459474	29.4	8.0	2.0	2.0	0.0	0.6	1.7	0.4	0.3
19053	714178	AA285018	8.3	6.0	3.0	1.0	1.0	0.6	2.1	0	0.3
17385	784162	AA432100	36.1	6.0	3.0	1.0	1.0	0.6	2.1	0	0.3
9970	841226	AA487115	44.6	8.0	2.0	2.0	0.0	0.6	0.6	2.4	0.2
20598	197206	R92812	13.2	5.0	3.0	2.0	1.0	0.6	2.1	0.4	0.2
800	179534	H51461	6.1	5.0	3.0	2.0	1.0	0.6	0.0	4	0.1
23131	462939	AA682419	71.6	7.0	4.0	2.0	0.0	0.6	0.0	0.0	1.2
24132	23121	R38655	43.7	10.0	2.0	0.0	0.0	0.6	0.4	0.0	1.1
23496	50732	H17543	166.6	10.0	2.0	0.0	0.0	0.6	0.4	0.0	1.1
24995	455156	AA676822	2.0	6.0	3.0	1.0	1.0	0.6	0.4	0.0	1.1
23302	1456938	AA863443	5.9	9.0	1.0	1.0	0.0	0.6	0.0	1.8	0.7
23384	759159	AA436935	27.2	8.0	5.0	0.0	0.0	0.6	0.6	1.8	0.6
27680	66978	T69543	31.8	10.0	1.0	0.0	0.0	0.6	1.6	0.5	0.6
1818	66430	R16074	4.6	10.0	1.0	0.0	0.0	0.6	0.0	1.6	0.5
27753	50648	H18067	55.4	9.0	3.0	0.0	0.0	0.6	1.6	1.0	0.5
846	135221	R32952	2.1	5.0	2.0	2.0	1.0	0.6	0.0	2	0.4
21236	452434	AA704792	7.4	9.0	1.0	1.0	0.0	0.6	0.3	1.8	0.4
11531	288894	N78390	4.1	10.0	1.0	0.0	0.0	0.6	1.6	0	0.4
7211	591157	AA161188	1.3	6.0	2.0	1.0	1.0	0.6	0.0	2.4	0.4
17982	788087	AA453170	13.5	5.0	2.0	2.0	1.0	0.6	1.7	0	0.4
2949	251250	H96534	6.4	5.0	4.0	1.0	1.0	0.6	0.4	2	0.3
12404	950594	AA608531	8.5	5.0	4.0	1.0	1.0	0.6	1.9	0	0.3
20367	294926	N71461	41.2	4.0	4.0	2.0	1.0	0.6	2.1	0	0.2
6560	282564	N52073	3.5	9.0	3.0	0.0	0.0	0.6	1.1	1.8	0.2
21526	746072	AA417592	17.8	7.0	3.0	2.0	0.0	0.6	1.7	1.4	0.1
24075	490696	AA101770	9.5	5.0	2.0	2.0	1.0	0.6	0.4	4.8	0.0
25605	858679	AA778998	54.6	9.0	3.0	0.0	0.0	0.6	0.0	0.0	1.1
23165	24838	T80560	12.8	7.0	5.0	1.0	0.0	0.6	0.0	0.5	1.0
25571	878193	AA775755	107.9	8.0	3.0	1.0	0.0	0.6	0.0	0.5	1.0
25207	239793	H80655	331.8	9.0	3.0	0.0	0.0	0.6	0.4	0.0	1.0
27206	461477	AA705053	93.1	9.0	3.0	0.0	0.0	0.6	0.4	0.0	1.0
25551	858644	AA774309	245.6	9.0	3.0	0.0	0.0	0.6	0.4	0.0	1.0
18014	788209	AA453433	7.7	8.0	4.0	0.0	0.0	0.5	0.0	1.6	0.5
27682	448195	AA702186	38.8	8.0	4.0	0.0	0.0	0.5	1.6	0.8	0.5
23976	1632252	AI005351	35.9	7.0	4.0	1.0	0.0	0.5	1.6	0.8	0.5
27397	25302	R17758	100.2	9.0	2.0	0.0	0.0	0.5	1.6	1.0	0.4
12495	788205	AA453926	19.4	8.0	2.0	1.0	0.0	0.5	0.0	2	0.4
21492	450064	AA703393	12.2	7.0	4.0	1.0	0.0	0.5	0.4	1.6	0.4
3467	134270	R31168	21.4	5.0	3.0	1.0	1.0	0.5	1.7	0	0.3
2180	142532	R70140	11.0	5.0	3.0	1.0	1.0	0.5	1.7	0	0.3
22526	267464	N25242	26.0	6.0	4.0	2.0	0.0	0.5	0.4	3.0	0.3
11025	744944	AA625890	24.2	8.0	4.0	0.0	0.0	0.5	0.7	1.6	0.3
12661	767823	AA418782	21.2	5.0	3.0	1.0	1.0	0.5	1.9	0	0.3
11330	362409	AA018504	4.4	6.0	1.0	1.0	1.0	0.5	1.7	0.4	0.2
7418	272038	N31948	3.4	5.0	3.0	1.0	1.0	0.5	0.3	2.6	0.2
20886	183556	H44032	6.9	4.0	3.0	2.0	1.0	0.5	2.1	0	0.2
13047	626967	AA190871	5.4	4.0	3.0	2.0	1.0	0.5	2.1	0	0.2
7915	342181	W61100	17.6	6.0	1.0	1.0	1.0	0.5	1.7	0.8	0.2
11220	502674	AA135886	9.0	7.0	4.0	1.0	0.0	0.5	0.3	3.2	0.1
14679	757337	AA437099	6.5	6.0	4.0	2.0	0.0	0.5	1.4	1.6	0.1
12185	740604	AA477196	15.8	6.0	4.0	2.0	0.0	0.5	1.9	1	0.1
583	241003	H81009	14.0	4.0	3.0	2.0	1.0	0.5	2.1	0.6	0.1
21802	814942	AA465521	8.4	4.0	3.0	2.0	1.0	0.5	2.1	0.6	0.1
27292	814135	AA465508	7.0	10.0	0.0	0.0	0.0	0.5	0.0	0.0	1.1



Table 4

25557	858199	AA633887	110.6	9.0	2.0	0.0	0.0	0.5	0.0	0.0	1.1
24843	1034465	AA779715	7.1	8.0	2.0	1.0	0.0	0.5	0.0	0.0	1.1
27586	1543346	AA919020	6.8	5.0	3.0	1.0	1.0	0.5	0.0	0.0	1.1
23152	825357	AA504501	39.0	9.0	1.0	0.0	0.0	0.5	1.8	0.5	0.4
14072	43532	H12946	5.6	8.0	1.0	1.0	0.0	0.5	0.0	1.8	0.4
26029	124002	R01649	137.8	8.0	3.0	0.0	0.0	0.5	1.6	1.0	0.4
8215	207838	H60297	5.1	5.0	2.0	1.0	1.0	0.5	1.7	0	0.3
16472	1367900	AA810225	3.4	8.0	1.0	1.0	0.0	0.5	1.6	0.4	0.2
3038	134537	R27733	3.7	5.0	2.0	1.0	1.0	0.5	1.9	0.4	0.2
11081	32663	R43319	3.2	4.0	2.0	2.0	1.0	0.5	2.1	0	0.2
20282	283173	N45236	87.2	4.0	2.0	2.0	1.0	0.5	2.1	0	0.2
14238	564847	AA129344	6.0	5.0	2.0	1.0	1.0	0.5	2.4	0.4	0.0
22949	1461528	AA883711	18.3	6.0	4.0	1.0	0.0	0.5	0.0	1.5	0.6
25947	447556	AA702420	18.8	8.0	2.0	0.0	0.0	0.5	1.6	0.5	0.4
26366	431478	AA706990	10.9	8.0	2.0	0.0	0.0	0.5	1.6	1.0	0.3
15671	647985	AA207105	8.8	8.0	2.0	0.0	0.0	0.5	0.4	1.8	0.2
21314	1472753	AA872402	118.3	4.0	3.0	1.0	1.0	0.5	1.7	0	0.2
10587	45877	H08582	5.6	4.0	3.0	1.0	1.0	0.5	1.9	0	0.2
3304	139835	R62173	11.2	7.0	2.0	1.0	0.0	0.5	0.6	2	0.2
10391	415755	WB4753	5.1	8.0	2.0	0.0	0.0	0.5	0.6	2	0.2
4156	488422	AA044890	8.1	6.0	2.0	2.0	0.0	0.5	0.7	1.8	0.2
27284	814053	AA465495	12.8	4.0	3.0	1.0	1.0	0.5	3.0	0.0	0.2
9973	46561	H09757	11.3	4.0	3.0	1.0	1.0	0.5	0.9	2	0.1
18548	435663	AA701300	39.0	6.0	3.0	1.0	0.0	0.5	0.0	1.6	0.4
22599	1586124	AA973944	7.7	7.0	3.0	0.0	0.0	0.5	0.0	2.8	0.3
27718	432114	AA679303	219.5	8.0	1.0	0.0	0.0	0.5	1.4	1.5	0.2
6897	71312	T47624	51.1	4.0	2.0	1.0	1.0	0.5	0.3	2	0.2
16934	731348	AA421018	6.0	4.0	2.0	1.0	1.0	0.5	0.3	2	0.2
3987	841679	AA487575	24.2	4.0	2.0	1.0	1.0	0.5	0.3	2	0.2
12148	45391	H08292	4.6	4.0	2.0	1.0	1.0	0.5	1.7	0	0.2
8650	770579	AA434269	1.1	4.0	2.0	1.0	1.0	0.5	1.7	0	0.2
1652	949938	AA599177	218.0	4.0	2.0	1.0	1.0	0.5	1.7	0	0.2
6190	428936	AA004975	37.3	4.0	2.0	1.0	1.0	0.5	0.0	2.6	0.2
13783	773367	AA427789	3.7	4.0	2.0	1.0	1.0	0.5	0.4	2	0.2
11133	67440	T49354	31.6	4.0	2.0	1.0	1.0	0.5	1.9	0	0.2
21955	415550	W78714	10.8	7.0	3.0	0.0	0.0	0.5	0.7	1.8	0.1
1687	591907	AA143436	6.1	4.0	2.0	1.0	1.0	0.5	0.4	2.4	0.1
17409	773335	AA425437	12.5	5.0	3.0	2.0	0.0	0.5	0.7	2	0.1
16879	1323539	AA858296	4.7	4.0	3.0	3.0	0.0	0.5	0.0	3.4	0.0
5428	293104	N91990	27.9	4.0	2.0	1.0	1.0	0.5	0.7	2.4	0.0
25400	1470169	AA865590	20.8	4.0	1.0	1.0	1.0	0.4	0.0	2.5	0.3
27503	1493060	AI791569	6.3	4.0	1.0	1.0	1.0	0.4	0.0	2.5	0.3
23193	220167	H85107	57.5	7.0	2.0	0.0	0.0	0.4	1.6	0.5	0.3
16634	784032	AA443712	13.3	6.0	2.0	1.0	0.0	0.4	0.0	2	0.2
13219	344115	W73409	7.2	7.0	2.0	0.0	0.0	0.4	0.3	1.8	0.2
20591	878231	AA775774	31.6	5.0	4.0	1.0	0.0	0.4	1.6	0	0.2
5988	470368	AA029368	8.9	8.0	0.0	0.0	0.0	0.4	0.6	1.6	0.2
27688	110371	T71650	19.9	6.0	2.0	1.0	0.0	0.4	1.8	1.3	0.1
3169	126795	R07219	7.7	4.0	1.0	1.0	1.0	0.4	0.0	2.8	0.1
2183	341805	W60846	13.3	6.0	2.0	1.0	0.0	0.4	0.7	1.8	0.1
27702	432047	AA678290	18.5	6.0	1.0	1.0	0.0	0.4	1.8	0.5	0.2
21387	242952	H95712	200.3	4.0	3.0	2.0	0.0	0.4	1.7	0.6	0.0
26095	1435624	AA857944	76.2	4.0	2.0	2.0	0.0	0.4	0.4	1.8	0.3
2900	241482	H80707	8.8	6.0	2.0	0.0	0.0	0.4	0.0	1.6	0.2
23067	462850	AA705316	16.5	7.0	0.0	0.0	0.0	0.4	1.6	0.5	0.2
7521	230971	R96155	7.0	6.0	2.0	0.0	0.0	0.4	0.0	2	0.2
9376	525926	AA074511	22.0	5.0	2.0	1.0	0.0	0.4	0.3	1.8	0.1

Table 4

19022	277996	N63445	13.7	5.0	2.0	1.0	0.0	0.4	0.6	1.6	0.1
13730	788507	AA452572	22.5	4.0	2.0	2.0	0.0	0.4	1.7	0	0.1
27215	486567	AA042928	31.5	5.0	1.0	1.0	0.0	0.4	0.4	1.8	0.2
22426	122321	T99176	95.7	4.0	3.0	1.0	0.0	0.4	0.4	2.0	0.2
26152	1034722	AA780180	12.6	6.0	1.0	0.0	0.0	0.4	0.8	1.8	0.1
27661	121114	T96381	12.3	6.0	1.0	0.0	0.0	0.4	1.0	1.5	0.1
21285	884328	AA629517	22.0	5.0	3.0	0.0	0.0	0.4	0.3	2.2	0.0
15568	37671	R61377	29.3	5.0	1.0	1.0	0.0	0.4	0.6	1.8	0.0

Table 4A

#	Clone Id	Accession No.	Ave-All-Normal	2-fold-up in tumors	3-fold-up in tumors	5-fold-up in tumors	10-fold-up in tumors	Overall sum	endo sum	clear sum	serous sum	Enrichment	SigP	Secreted
19109	824894	AA488964	5.9	36.0	36.0	35.0	32.0	9.1	9.3	10	8.9	1		
11150	270385	N33063	8.6	37.0	37.0	36.0	28.0	8.7	8.6	9	8.7	1		
1616	770910	AA433851	2.6	36.0	36.0	36.0	28.0	8.6	9.3	9	8.4	-1	no	
14080	37310	R49597	7.5	37.0	36.0	36.0	27.0	8.6	7.9	10	8.5	-1		
10622	223350	H86642	3.5	37.0	36.0	35.0	27.0	8.5	6.4	9	9.0	-1		yes
10559	296488	N70208	3.9	36.0	35.0	33.0	26.0	8.2	8.6	10	7.7	-1		
2450	840687	AA488073	9.8	37.0	36.0	33.0	25.0	8.1	7.6	8	8.3	1		
1335	786675	AA451904	17.7	34.0	34.0	31.0	24.0	7.7	9.3	2.6	8.2	1		yes
8658	770388	AA427468	5.7	37.0	37.0	32.0	21.0	7.6	8.0	7.6	7.4	1	yes	
20289	250678	H95976	5.0	37.0	36.0	31.0	20.0	7.4	6.9	6.6	7.6	-1	yes	
7791	415562	W80701	6.8	36.0	36.0	34.0	17.0	7.1	7.1	8	6.8	-1	yes	
14508	625011	AA181023	9.4	36.0	34.0	29.0	16.0	6.6	7.4	6.6	6.4	-1	no	
18699	132636	R26785	4.6	35.0	32.0	24.0	13.0	5.8	6.1	7.6	5.4	1	yes	yes
4003	825085	AA489246	7.2	34.0	32.0	25.0	13.0	5.8	7.6	4.6	5.6	1	yes	
2714	741497	AA401137	6.1	30.0	27.0	22.0	16.0	5.7	5.3	5	6.0	1	yes	yes
4275	741139	AA402754	4.1	31.0	26.0	19.0	16.0	5.6	6.9	0	6.3	0	no	
4312	131839	R24635	5.5	30.0	28.0	21.0	15.0	5.5	3.3	4.2	6.4	1	yes	
14552	378461	AA775616	23.6	30.0	26.0	20.0	15.0	5.4	5.7	5.2	5.4	0	yes	yes
3713	308989	N93392	4.7	34.0	29.0	20.0	12.0	5.3	7.1	3.2	5.2	-1	no	
16723	813730	AA453868	13.6	34.0	30.0	20.0	10.0	5.1	4.1	3.2	5.7	-1	no	
10985	756931	AA425934	8.6	26.0	22.0	17.0	14.0	4.8	1.7	2.6	6.1	-1	yes	
4226	470393	AA031514	6.3	31.0	24.0	17.0	11.0	4.7	7.9	4.4	3.9	-1	yes	yes
9183	841645	AA487488	12.4	31.0	27.0	23.0	8.0	4.7	5.0	5	4.6	1	yes	
23290	1456776	AA863314	9.6	28.0	28.0	23.0	9.0	4.7	6.6	5.8	6.3	1		
13279	279388	N45548	16.7	28.0	26.0	21.0	10.0	4.7	4.7	1	5.4	1	yes	
851	809784	AA454743	4.2	27.0	23.0	21.0	11.0	4.7	2.4	3	5.7	0	yes	yes
6359	236034	H61243	23.6	30.0	25.0	18.0	10.0	4.6	4.3	3.6	4.9	-1	yes	
25253	112498	T91042	16.7	27.0	26.0	19.0	10.0	4.5	5.6	5.8	6.2	0		
21910	280782	N50654	13.0	31.0	24.0	17.0	7.0	4.2	3.1	4	4.5	-1		yes
4228	511428	AA126009	5.4	34.0	30.0	17.0	4.0	4.1	4.4	6	3.6	1		
6236	232860	73335::H7397	3.0	27.0	21.0	15.0	9.0	4.1	3.1	0.4	5.0	1		
6156	322223	W38021	3.6	33.0	29.0	17.0	3.0	3.9	5.7	4.6	3.2	1		
4966	486279	AA044205	7.8	32.0	28.0	13.0	5.0	3.9	3.7	5.2	3.6	1		
11778	179163	H50161	7.0	25.0	20.0	16.0	8.0	3.8	1.7	1	5.0	-1	yes	
24011	1474987	AA857364	9.5	25.0	20.0	16.0	8.0	3.8	7.0	1.0	5.4	1		
6676	361323	AA017544	5.9	27.0	21.0	15.0	7.0	3.8	4.9	0.6	4.1	1		
21308	454970	AA676625	4.5	25.0	22.0	16.0	7.0	3.8	5.7	1	3.8	-1	no	
12145	855745	AA663981	30.3	16.0	15.0	13.0	13.0	3.7	4.3	2	3.9	-1		
6007	143322	R74357	5.0	29.0	21.0	14.0	6.0	3.7	2.4	5.4	3.7	1		
20559	773495	AA427924	29.2	22.0	18.0	15.0	9.0	3.7	1.4	1.4	4.8	1		yes
5089	897822	AA598572	2.8	34.0	24.0	10.0	5.0	3.7	4.7	2.6	3.6	-1		
16071	1475659	AA872020	6.6	32.0	26.0	16.0	3.0	3.7	3.9	5.4	3.3	1		
4414	72391	T51689	9.0	29.0	21.0	16.0	5.0	3.7	2.9	1	4.4	1		
4282	667482	AA227594	3.1	25.0	20.0	13.0	8.0	3.7	2.7	7	3.3	0	yes	
3220	897770	AA598508	15.4	22.0	17.0	15.0	9.0	3.7	1.1	0	5.1	-1	no	
17777	951108	AA620466	7.3	34.0	31.0	11.0	3.0	3.7	2.9	1.6	4.3	-1	yes	
17895	27544	R40057	4.6	23.0	19.0	15.0	8.0	3.6	6.9	7.2	2.0	-1		
24340	1536240	AA918982	16.5	23.0	21.0	16.0	7.0	3.6	1.8	5.0	5.5	0		
6774	725321	AA291702	15.5	26.0	24.0	13.0	6.0	3.6	6.1	0	3.6	-1		
15113	594684	AA172001	7.6	30.0	23.0	19.0	2.0	3.5	2.9	4	3.6	-1		
14932	1434905	AA857101	5.6	25.0	18.0	14.0	7.0	3.5	5.3	3.4	3.1	1		
11362	288663	N79360	3.0	32.0	22.0	14.0	3.0	3.5	3.9	5.6	3.0	0	yes	
2802	843028	AA488541	11.1	22.0	20.0	15.0	7.0	3.5	0.3	1.6	4.8	-1		

Table 4A

25752	1558655	AA976561	8.6	20.0	19.0	15.0	8.0	3.5	8.0	3.8	3.9	-1	
21272	646753	AA205625	2.9	30.0	19.0	13.0	4.0	3.4	3.6	3.6	3.3	-1	
5804	742101	AA405891	14.4	29.0	23.0	12.0	4.0	3.4	3.0	5.4	3.1	-1	no
15317	813719	AA453863	13.6	18.0	16.0	14.0	9.0	3.4	1.4	0	4.6	1	
3908	289337	N99582	19.0	16.0	14.0	14.0	10.0	3.4	3.9	2	3.5	0	
9014	809503	AA456454	8.5	24.0	19.0	11.0	7.0	3.4	2.3	3.2	3.7	1	
5827	767069	AA424516	9.8	26.0	23.0	19.0	2.0	3.3	2.9	0.6	4.0	1	
17522	840677	AA488070	46.2	18.0	15.0	11.0	10.0	3.3	4.0	2	3.4	-1	
10575	46173	H09099	13.8	20.0	17.0	12.0	8.0	3.3	1.4	2.4	4.0	1	
10549	810960	AA459626	8.9	21.0	16.0	14.0	7.0	3.3	3.0	2	3.6	-1	yes
4938	295483	N70382	122.4	24.0	19.0	14.0	5.0	3.2	3.7	3	3.2	1	
8280	52704	H29227	2.8	28.0	19.0	12.0	4.0	3.2	3.9	1.6	3.4	1	
13348	1493160	AA878880	5.7	21.0	15.0	11.0	8.0	3.2	3.7	0.4	3.6	-1	
798	161456	H25546	5.3	21.0	17.0	12.0	7.0	3.2	3.9	1	3.4	-1	yes
12797	595238	AA173325	6.9	32.0	26.0	14.0	0.0	3.2	3.4	2	3.4	1	maybe
2756	243741	N49629	5.0	29.0	16.0	8.0	5.0	3.1	3.6	0.8	3.4	0	
6770	148225	H13738	10.0	32.0	21.0	11.0	1.0	3.0	2.7	2.2	3.3	1	
12134	724888	AA404692	4.4	25.0	21.0	10.0	4.0	3.0	1.9	1.4	3.6	1	
9025	755881	AA496539	5.3	22.0	17.0	9.0	6.0	2.9	3.0	0	3.5	0	yes
12983	809998	AA454854	11.6	20.0	16.0	14.0	5.0	2.9	2.4	0.4	3.6	1	yes
2695	204335	H59915	126.9	32.0	24.0	10.0	0.0	2.9	2.9	2.8	3.0	1	
3214	823590	AA497128	7.4	24.0	17.0	9.0	5.0	2.9	2.4	1	3.4	1	yes
26046	1636495	AA999953	3.6	22.0	17.0	11.0	5.0	2.9	3.0	5.0	3.8	1	
2424	66560	T67053	13.0	18.0	13.0	9.0	8.0	2.9	4.0	2	2.8	0	
4996	251019	H97778	25.8	28.0	18.0	9.0	3.0	2.9	2.4	5	2.6	1	yes
8871	415229	W91952	4.6	22.0	17.0	13.0	4.0	2.9	3.6	6	2.1	1	
5384	150702	H02340	1.5	24.0	19.0	7.0	5.0	2.9	6.3	3.2	1.8	-1	
10954	377275	AA055485	5.0	25.0	20.0	8.0	4.0	2.9	0.9	2	3.6	-1	no
606	109523	T81545	15.7	28.0	18.0	8.0	3.0	2.8	1.9	4.2	2.8	1	
8706	725877	AA292226	51.9	22.0	18.0	9.0	5.0	2.8	2.1	0.6	3.5	1	
5552	208413	H62162	2.9	26.0	18.0	9.0	3.0	2.8	2.9	3	2.7	1	
14554	490965	AA120865	16.9	16.0	15.0	10.0	7.0	2.8	0.9	0	3.8	1	
7061	321908	W37680	5.5	29.0	20.0	9.0	1.0	2.7	4.7	2.4	2.2	-1	
7294	324715	W47361	7.5	23.0	16.0	9.0	4.0	2.7	1.3	2	3.2	0	
21668	452563	AA778846	4.3	27.0	18.0	9.0	2.0	2.7	2.9	3.4	2.5	-1	
20712	746169	AA417621	26.7	23.0	16.0	9.0	4.0	2.7	3.3	5	2.1	1	
2478	39593	R51912	1.4	20.0	14.0	10.0	5.0	2.7	0.4	3.8	3.1	-1	yes
2516	234376	N28268	7.7	25.0	20.0	7.0	3.0	2.7	1.1	2.8	3.1	1	
719	321271	W52941	3.7	32.0	23.0	6.0	0.0	2.7	2.9	4.2	2.3	1	
24520	725143	AA404225	11.3	19.0	16.0	10.0	5.0	2.7	3.2	6.8	2.9	1	
6819	810801	AA459068	10.6	23.0	14.0	7.0	5.0	2.7	2.0	2.4	2.9	1	
13336	42824	R60169	2.6	17.0	14.0	10.0	6.0	2.6	4.9	8.6	0.8	0	
20060	449034	AA777384	3.6	24.0	15.0	10.0	3.0	2.6	1.6	1.4	3.2	1	yes
925	770212	AA434115	11.0	22.0	17.0	11.0	3.0	2.6	1.4	0	3.5	-1	yes
10642	49987	H28734	2.2	20.0	15.0	11.0	4.0	2.6	1.4	2	3.1	-1	
20448	220473	H87271	4.6	23.0	18.0	9.0	3.0	2.6	3.4	0.4	2.8	1	
14016	233759	H64590	6.4	29.0	17.0	6.0	2.0	2.6	1.9	4	2.6	1	
2647	305606	N90246	2.9	31.0	20.0	5.0	1.0	2.6	2.7	1.2	2.9	0	
9140	345032	W76319	28.5	23.0	16.0	10.0	3.0	2.6	2.9	4.6	2.2	1	
9753	428338	AA005420	5.7	32.0	19.0	7.0	0.0	2.6	2.0	3.6	2.6	-1	
19829	854691	AA630100	5.6	24.0	21.0	9.0	2.0	2.6	3.1	1.8	2.6	-1	yes
26281	855563	AA664212	7.8	24.0	15.0	7.0	4.0	2.6	2.6	4.0	3.6	1	
11418	856447	AA630800	32.5	22.0	14.0	12.0	3.0	2.6	4.3	3.2	2.0	1	
9988	795446	AA454033	1.6	23.0	14.0	8.0	4.0	2.6	3.3	1	2.7	-1	
21265	845345	AA773478	14.2	20.0	17.0	12.0	3.0	2.6	4.3	2.6	2.1	-1	
27510	1636606	AJ000188	4.7	20.0	13.0	9.0	5.0	2.6	2.0	1.8	4.2	-1	
4157	204688	H57273	9.9	22.0	17.0	7.0	4.0	2.6	0.4	2.6	3.2	1	

Table 4A

150	214441	H73816	3.8	15.0	12.0	9.0	7.0	2.6	2.7	2	2.6	-1	
7037	344854	W76209	7.3	26.0	17.0	8.0	2.0	2.6	2.7	2.6	2.5	-1	
4015	712341	AA405000	20.7	21.0	18.0	10.0	3.0	2.6	3.0	5	2.0	1	
28	138917	R62862	4.1	27.0	13.0	6.0	3.0	2.5	0.9	1.4	3.2	-1	no
6450	246430	N73214	4.8	30.0	15.0	7.0	1.0	2.5	2.1	1.6	2.8	-1	yes
19943	294578	W01726	4.2	25.0	12.0	6.0	4.0	2.5	4.9	3.2	1.8	1	
5682	295106	N71631	4.6	25.0	20.0	12.0	0.0	2.5	1.6	3	2.7	-1	
6408	79726	T63177	6.9	28.0	16.0	8.0	1.0	2.5	2.9	2.4	2.4	1	
527	342593	W68536	5.1	27.0	12.0	6.0	3.0	2.5	1.6	2	2.9	-1	
5070	823590	AA497128	6.5	22.0	16.0	9.0	3.0	2.5	2.4	1	2.8	1	yes
6820	52021	H22566	1.8	20.0	15.0	11.0	3.0	2.5	3.1	0	2.8	1	
5023	293325	N92106	5.3	26.0	14.0	8.0	2.0	2.5	2.6	3.4	2.3	0	
11321	490329	AA127805	4.5	25.0	23.0	7.0	1.0	2.5	3.1	4.6	1.9	-1	
13254	593929	AA169379	7.4	28.0	17.0	7.0	1.0	2.5	4.1	2.6	2.0	-1	
20541	741919	AA402040	4.9	27.0	18.0	5.0	2.0	2.5	3.3	2.6	2.2	1	
5942	811600	AA458533	3.9	29.0	9.0	5.0	3.0	2.5	4.1	2.2	2.1	-1	
10181	121551	T97813	3.7	22.0	13.0	7.0	4.0	2.5	4.4	3.6	1.7	-1	no
8542	201440	R99105	8.1	25.0	19.0	6.0	2.0	2.5	1.9	4	2.3	1	
27413	25389	R11688	8.5	18.0	14.0	10.0	4.0	2.4	2.4	3.0	3.5	1	
25604	30673	R18222	2.8	23.0	14.0	5.0	4.0	2.4	3.2	3.8	3.1	1	
7504	47459	H11562	4.1	22.0	15.0	8.0	3.0	2.4	3.0	0	2.8	1	
4412	140515	R66056	41.6	28.0	17.0	6.0	1.0	2.4	1.9	3	2.5	1	
17650	29967	R14766	1.9	23.0	15.0	9.0	2.0	2.4	3.9	0.4	2.4	-1	
22731	378365	AA775509	24.2	23.0	15.0	9.0	2.0	2.4	3.2	3.8	3.1	1	
239	296444	N70196	6.9	26.0	17.0	7.0	1.0	2.4	1.6	4.6	2.2	1	
17144	29237	R41376	3.2	22.0	14.0	7.0	3.0	2.4	3.9	0	2.4	1	
6305	364563	AA022987	5.3	23.0	14.0	6.0	3.0	2.4	2.1	5	1.9	1	
9478	868332	AA634028	52.8	20.0	17.0	10.0	2.0	2.4	4.0	0.6	2.2	1	
5857	897906	AA598652	7.9	23.0	16.0	10.0	1.0	2.4	1.0	0	3.2	1	yes
707	824659	AA482169	7.1	31.0	18.0	3.0	0.0	2.3	3.0	2.6	2.1	-1	
7927	52226	H23265	3.6	26.0	14.0	7.0	1.0	2.3	3.4	3	1.8	-1	
16612	510576	AA055880	5.0	16.0	13.0	10.0	4.0	2.3	5.0	3.6	1.3	1	
25386	1636108	AI015679	10.9	19.0	12.0	10.0	3.0	2.3	1.8	5.8	2.8	-1	
1672	80109	T63945	12.2	17.0	14.0	10.0	3.0	2.2	3.0	0.6	2.4	0	
23433	50877	H18423	28.4	14.0	10.0	7.0	6.0	2.2	2.6	2.5	3.1	1	
21715	433294	AA699707	6.9	28.0	18.0	4.0	0.0	2.2	1.9	3.4	2.1	0	
4573	347036	W81129	5.6	20.0	13.0	9.0	2.0	2.2	3.6	0	2.2	1	
6103	771023	AA427978	5.7	29.0	13.0	5.0	0.0	2.2	1.6	3.2	2.2	1	
9497	433481	AA699573	3.1	19.0	10.0	6.0	4.0	2.2	3.3	8	0.7	0	
15509	512116	AA133721	17.6	21.0	16.0	6.0	2.0	2.2	3.0	0.6	2.2	1	
5826	51447	H20822	8.0	19.0	14.0	6.0	3.0	2.1	4.3	0.6	1.8	1	
9414	153541	AI820731	3.7	18.0	14.0	7.0	3.0	2.1	4.3	1.2	1.7	1	yes
4813	299600	N74882	3.1	16.0	8.0	7.0	5.0	2.1	5.3	5.6	0.6	0	
9733	359009	W92134	2.5	24.0	18.0	4.0	1.0	2.1	3.4	1	2.0	1	
1250	363086	AA019482	5.6	23.0	14.0	7.0	1.0	2.1	3.1	1	2.1	-1	
9223	366887	AA029597	4.5	26.0	15.0	6.0	0.0	2.1	3.0	1.4	2.0	1	
12861	625863	AA186776	30.7	23.0	14.0	7.0	1.0	2.1	1.4	3	2.2	1	
2514	31251	R42852	3.5	19.0	8.0	6.0	4.0	2.1	3.6	2	1.7	-1	
14502	34745	R44409	3.4	21.0	14.0	6.0	2.0	2.1	3.0	0	2.3	-1	
2169	137387	R38044	6.2	24.0	13.0	6.0	1.0	2.1	1.1	4.2	2.0	-1	
8197	501479	AA115351	2.3	25.0	14.0	7.0	0.0	2.1	1.4	3.6	2.0	1	
26483	80715	T63214	24.5	19.0	13.0	8.0	2.0	2.1	2.0	2.3	3.1	-1	
2530	154654	R55185	4.7	18.0	14.0	11.0	1.0	2.1	2.0	3.4	1.8	-1	
1942	740925	AA478338	9.2	26.0	16.0	2.0	1.0	2.1	3.1	0	2.2	-1	
21482	277173	N44209	6.5	20.0	14.0	6.0	2.0	2.1	3.7	0	2.0	0	
13645	279058	N51682	8.7	20.0	14.0	6.0	2.0	2.1	3.3	0	2.1	0	
20759	435319	AA699931	14.0	20.0	12.0	7.0	2.0	2.1	2.0	4.8	1.5	1	

Table 4A

5024	752631	AA419620	3.6	24.0	12.0	3.0	2.0	2.1	1.6	6.2	1.4	1
11774	60565	T39376	10.6	22.0	15.0	8.0	0.0	2.0	2.4	4.6	1.4	1
10501	810089	AA464963	16.3	19.0	13.0	7.0	2.0	2.0	1.9	3.2	1.8	-1
12069	502634	AA127017	36.4	18.0	11.0	6.0	3.0	2.0	1.3	3	2.0	1
856	754479	AA410188	10.7	19.0	12.0	4.0	3.0	2.0	3.4	0.6	1.8	1
24193	853998	AA668897	6.4	22.0	15.0	7.0	0.0	2.0	3.4	1.8	2.5	1
7456	344589	W73144	15.7	19.0	11.0	6.0	2.0	1.9	4.0	0.4	1.6	-1
9784	755599	AA419286	60.4	15.0	12.0	7.0	3.0	1.9	3.3	0	1.9	-1
11881	46827	H10098	3.2	17.0	9.0	6.0	3.0	1.9	1.9	3.4	1.6	-1
3981	70827	T46923	4.0	13.0	8.0	8.0	4.0	1.9	0.3	9	0.9	-1
3482	136188	R33307	9.7	9.0	8.0	7.0	6.0	1.9	6.7	2	0.5	-1
4754	592540	AA160595	8.2	17.0	8.0	6.0	3.0	1.9	3.3	0	1.8	1
8292	41835	R54212	2.9	20.0	10.0	4.0	2.0	1.8	1.7	3	1.6	1
6340	81475	T63511	11.9	23.0	12.0	5.0	0.0	1.8	1.9	3	1.6	1
26102	1470659	AA864323	17.6	17.0	11.0	4.0	3.0	1.8	0.4	1.3	3.2	-1
460	153411	R48091	101.1	15.0	10.0	6.0	3.0	1.8	3.9	0	1.6	0
22335	504927	AA151092	12.4	18.0	11.0	5.0	2.0	1.8	1.4	4.5	2.2	1
13754	788524	AA452801	8.9	15.0	11.0	5.0	3.0	1.8	3.6	0	1.6	-1
26884	1292170	AA705819	9.8	18.0	13.0	6.0	1.0	1.8	3.0	0.0	2.7	0
15362	626348	AA188555	11.1	20.0	9.0	3.0	2.0	1.8	2.7	3.4	1.2	1
19416	178922	H48148	6.6	20.0	11.0	4.0	1.0	1.7	1.1	3.6	1.5	-1
18831	433603	AA701677	6.6	23.0	9.0	2.0	1.0	1.7	1.4	3.4	1.5	1
11126	609743	AA169372	10.0	16.0	9.0	4.0	3.0	1.7	0.3	3	1.9	-1
10099	277042	N46717	4.8	20.0	11.0	6.0	0.0	1.7	3.6	0.8	1.4	1
27538	1526826	AA911661	8.7	19.0	10.0	5.0	1.0	1.7	3.8	1.3	2.1	1
5605	108422	T77847	15.4	18.0	8.0	4.0	2.0	1.7	4.1	0.4	1.2	-1
7087	345034	W76320	7.8	10.0	7.0	5.0	5.0	1.7	3.7	4	0.6	-1
764	364555	AA022600	4.4	23.0	8.0	4.0	0.0	1.7	1.4	3.2	1.4	-1
4994	813256	AA456377	4.3	19.0	13.0	3.0	1.0	1.7	3.7	1	1.2	-1
16499	37980	R61372	1.8	11.0	7.0	6.0	4.0	1.6	2.3	4.4	0.9	-1
2592	214205	H77797	33.9	20.0	13.0	4.0	0.0	1.6	1.7	3.4	1.3	1
19070	278572	N99169	19.6	17.0	14.0	4.0	1.0	1.6	1.9	4	1.1	1
21856	360644	AA015819	7.5	24.0	6.0	1.0	1.0	1.6	0.9	4	1.4	1
8378	730439	AA469975	15.9	19.0	10.0	4.0	1.0	1.6	0.6	4.4	1.4	1
12638	785585	AA449444	5.2	17.0	10.0	6.0	1.0	1.6	2.1	4.4	1.0	0
10583	47151	H10995	8.6	19.0	9.0	4.0	1.0	1.6	0.9	4	1.4	1
6948	271076	N42970	9.3	16.0	11.0	6.0	1.0	1.6	0.7	4.4	1.3	1
14352	586845	AA133554	1.6	22.0	8.0	4.0	0.0	1.6	3.0	0	1.6	1
2444	85128	T71421	19.9	17.0	14.0	3.0	1.0	1.6	3.3	0.6	1.3	-1
3265	202168	H52361	2.6	19.0	10.0	3.0	1.0	1.6	0.6	3	1.6	1
19578	257323	N39886	11.3	19.0	8.0	4.0	1.0	1.6	3.3	0.8	1.3	-1
27757	202154	H52503	132.0	15.0	11.0	6.0	1.0	1.6	1.4	3.8	1.9	1
16701	757244	AA426025	12.1	17.0	8.0	3.0	2.0	1.6	4.0	0	1.2	-1
17904	27769	R40176	4.0	10.0	7.0	5.0	4.0	1.5	3.7	4	0.4	-1
18406	38740	R51273	9.7	13.0	8.0	4.0	3.0	1.5	3.6	2.8	0.7	1
10462	795378	AA453495	13.7	14.0	9.0	5.0	2.0	1.5	0.6	6	0.9	1
24856	840266	AA485460	23.4	13.0	9.0	6.0	2.0	1.5	5.0	2.3	1.2	1
8001	41850	R52786	2.9	16.0	8.0	5.0	1.0	1.5	2.4	3.2	0.9	-1
4461	292833	N90491	16.5	16.0	10.0	4.0	1.0	1.5	3.0	0.6	1.2	1
18201	376040	AA040332	5.3	12.0	9.0	6.0	2.0	1.5	3.3	4.4	0.4	1
10652	25520	R37696	15.9	13.0	9.0	7.0	1.0	1.5	0.7	3	1.4	1
21796	174311	H23959	11.9	16.0	9.0	4.0	1.0	1.5	1.4	3.8	1.0	1
23778	233464	H77297	5.5	17.0	12.0	4.0	0.0	1.5	3.0	0.8	1.9	0
22596	1629753	AA984314	5.2	13.0	7.0	5.0	2.0	1.4	2.8	4.5	1.1	-1
20339	685516	AA262573	8.2	19.0	7.0	1.0	1.0	1.4	2.0	3.4	0.8	1
12382	773293	AA425214	3.7	18.0	9.0	1.0	1.0	1.4	0.6	4	1.1	1
26742	1637302	AI005521	13.4	15.0	9.0	4.0	1.0	1.4	1.0	3.8	1.7	-1

Table 4A

854	66731	T64905	2.5	17.0	10.0	1.0	1.0	1.4	1.1	3.6	1.0	1
3666	207813	H59057	5.4	14.0	7.0	3.0	2.0	1.4	2.3	5.2	0.4	1
24182	448628	AA777283	6.9	14.0	7.0	3.0	2.0	1.4	1.2	3.5	1.6	0
9781	504431	AA151244	1.9	15.0	10.0	3.0	1.0	1.4	2.3	3.2	0.8	0
15726	786308	AA451863	9.8	12.0	10.0	6.0	1.0	1.4	3.6	0.6	0.9	-1
13794	788575	AA452877	9.2	17.0	5.0	3.0	1.0	1.4	1.1	3.4	1.0	1
8144	306066	N91003	5.3	14.0	5.0	3.0	2.0	1.3	0.7	6	0.6	1
6683	490718	AA115761	3.3	14.0	5.0	3.0	2.0	1.3	3.4	0	1.0	1
7582	291985	W02106	23.0	10.0	8.0	5.0	2.0	1.3	3.6	3	0.3	1
9790	810205	AA464518	4.4	19.0	3.0	1.0	1.0	1.3	1.1	4	0.8	1
25538	447520	AA702248	7.4	10.0	7.0	5.0	2.0	1.3	0.4	3.8	1.6	-1
12140	25984	R12516	2.0	10.0	6.0	5.0	2.0	1.2	1.4	6.4	0.2	0
1772	134719	R28287	7.5	14.0	7.0	3.0	1.0	1.2	0.7	3	1.0	-1
22523	433310	AA699724	12.8	14.0	4.0	2.0	2.0	1.2	1.4	3.3	1.4	0
18682	809421	AA459909	31.9	13.0	6.0	2.0	2.0	1.2	3.1	0.8	0.8	-1
21316	192295	H39024	6.2	11.0	7.0	3.0	2.0	1.2	3.6	0.6	0.7	1
17220	245979	N76836	6.6	12.0	8.0	4.0	1.0	1.2	1.4	3.8	0.6	1
7751	288741	N58219	6.2	17.0	7.0	2.0	0.0	1.2	3.0	0.6	0.8	1
18796	451511	AA707336	3.5	15.0	6.0	2.0	1.0	1.2	1.1	3	0.9	0
8399	950700	AA608572	84.0	11.0	6.0	2.0	2.0	1.1	3.3	0.4	0.7	-1
4208	66491	R16034	5.6	11.0	5.0	2.0	2.0	1.1	2.4	3	0.4	1
12179	79565	T62704	10.2	14.0	7.0	3.0	0.0	1.1	1.3	3	0.7	1
13947	360177	AA012911	28.9	10.0	5.0	3.0	2.0	1.1	3.4	1	0.5	1
14498	788641	AA449883	7.4	10.0	8.0	4.0	1.0	1.1	2.6	3.6	0.2	1
1452	322537	W15263	13.1	9.0	7.0	5.0	1.0	1.1	2.4	3	0.3	1
13959	490434	AA122079	5.7	7.0	5.0	3.0	3.0	1.1	1.0	6.6	0.0	0
19021	714437	AA292019	26.1	10.0	4.0	3.0	2.0	1.1	2.4	3	0.3	1
5901	827144	AA521243	10.5	8.0	3.0	3.0	3.0	1.1	3.1	2	0.3	-1
7278	855523	AA664180	33.0	11.0	7.0	3.0	1.0	1.1	0.7	4.6	0.5	-1
22424	824179	AA490887	6.4	12.0	5.0	2.0	1.0	1.0	2.2	3.8	0.6	1
22447	845454	AA644183	17.9	15.0	4.0	1.0	0.0	1.0	1.4	3.0	0.9	-1
9103	45629	H08730	3.1	7.0	5.0	3.0	2.0	0.9	2.1	3.6	0.1	1
21897	412967	AA707847	10.7	9.0	3.0	2.0	2.0	0.9	3.1	0	0.5	-1
19426	1049230	AA620715	4.1	11.0	7.0	3.0	0.0	0.9	0.4	3.6	0.6	1
19232	231718	H92875	4.0	11.0	3.0	2.0	1.0	0.9	0.3	3.4	0.6	1
19528	450515	AA704222	24.0	7.0	5.0	5.0	1.0	0.9	2.1	3	0.2	0
12113	45578	H08016	3.7	11.0	5.0	3.0	0.0	0.9	3.1	1	0.2	1
3201	220096	H82536	3.3	8.0	3.0	2.0	2.0	0.9	0.3	5	0.2	-1
13775	741988	AA402915	20.2	8.0	5.0	3.0	1.0	0.9	1.1	3.4	0.3	-1
17860	48404	H14348	3.6	10.0	4.0	1.0	1.0	0.8	1.0	3.6	0.2	1
6099	416611	W86466	6.4	9.0	5.0	1.0	1.0	0.8	1.1	3.4	0.2	0
25910	377987	AA788874	11.3	6.0	4.0	4.0	1.0	0.8	0.0	3.0	0.9	1
20453	739257	AI733924	8.4	6.0	3.0	2.0	2.0	0.8	3.3	0	0.2	-1
13672	753252	AA406505	48.8	5.0	3.0	3.0	2.0	0.8	0.7	4.4	0.1	1
27073	161923	H26069	8.1	9.0	3.0	1.0	1.0	0.8	3.4	0.5	0.5	1
18344	453641	AA775899	8.2	8.0	3.0	2.0	1.0	0.8	0.0	3.4	0.4	-1
26961	855723	AA663960	24.2	9.0	6.0	2.0	0.0	0.8	0.6	3.0	0.7	-1
16831	1323328	AA872602	3.5	4.0	4.0	3.0	2.0	0.8	0.0	5.6	0.0	-1

TABLE 4-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA488964	DBEst	2218566
N33063	DBEst	1153462
AA433851	DBEst	2138765
R49597	DBEst	825128
H86642	DBEst	1068221
N70208	DBEst	1226788
AA488073	DBEst	2215504
AA451904	DBEst	2165573
AA427468	DBEst	2111330
H95976	DBEst	1109118
W80701	DBEst	1391719
AA181023	DBEst	1764497
AA489246	DBEst	2218848
R26785	DBEst	782920
AA401137	DBEst	2055027
AA402754	DBEst	2056525
R24635	DBEst	779523
AA775616	DBEst	2834950
N93392	DBEst	1265701
AA453868	DBEst	2167537
AA425934	DBEst	2107722
AA863314	DBEst	2955793
AA487488	DBEst	2217652
AA031514	DBEst	1501468
AA454743	DBEst	2177519
N45548	DBEst	1186714
H61243	DBEst	1014075
T91042	DBEst	722955
N50654	DBEst	1191820
AA126009	DBEst	1685675
H73335::H73973	N/A	N/A
W38021	DBEst	1319615
AA044205	DBEst	1522062
AA857364	DBEst	2945666
H50161	DBEst	990002
AA017544	DBEst	1479697
AA676625	DBEst	2657147
AA663981	DBEst	2617972
AA427924	DBEst	2111686
R74357	DBEst	848727
AA598572	DBEst	2432155
AA872020	DBEst	2968058
AA598508	DBEst	2432091
T51689	DBEst	653549
AA620466	DBEst	2524405
AA227594	DBEst	1849138
R40057	DBEst	822754
AA918982	DBEst	3058872
AA291702	DBEst	1939868
AA172001	DBEst	1751058
AA857101	DBEst	2945403
AA488541	DBEst	2215972
AA976561	DBEst	3154007
N79360	DBEst	1242061
AA453863	DBEst	2167532
AA205625	DBEst	1803683



TABLE 4-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA405891	DBEst	2063892
AA456454	DBEst	2179030
N99582	DBEst	1271014
AA424516	DBEst	2103477
AA488070	DBEst	2215501
H09099	DBEst	873921
AA459626	DBEst	2184533
N70382	DBEst	1226962
AA878880	DBEst	2987845
H29227	DBEst	900137
H25546	DBEst	894669
AA173325	DBEst	1753652
N49629	DBEst	1190795
H13738	DBEst	878558
AA404692	DBEst	2058871
AA454854	DBEst	2177630
AA496539	DBEst	2229860
AA999953	DBEst	3190508
AA497128	DBEst	2230449
H59915	DBEst	1012747
T67053	DBEst	676493
H97778	DBEst	1118663
W91952	DBEst	1424313
AA055485	DBEst	1547824
H02340	DBEst	865273
AA292226	DBEst	1940362
T81545	DBEst	704552
H62162	DBEst	1014994
AA120865	DBEst	1678196
W37680	DBEst	1319294
W47361	DBEst	1332000
AA778846	DBEst	2838177
AA417621	DBEst	2079448
R51912	DBEst	813814
N28268	DBEst	1146504
AA404225	DBEst	2058967
AA459068	DBEst	2183975
W52941	DBEst	1350375
AA434115	DBEst	2139029
AA777384	DBEst	2836715
R60169	DBEst	830864
AA664212	DBEst	2618203
H28734	DBEst	899688
N90246	DBEst	1443573
H87271	DBEst	1068850
AA630100	DBEst	2552711
AA005420	DBEst	1447902
H64590	DBEst	1023330
W76319	DBEst	1386553
AA630800	DBEst	2553411
AI000188	DBEst	3190742
AA454033	DBEst	2167702
AA773478	DBEst	2825049
H57273	DBEst	1010105
H73816	DBEst	1046750
W76209	DBEst	1386434

TABLE 4-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA405000	DBEst	2063210
R62862	DBEst	834741
N73214	DBEst	1230318
N71631	DBEst	1228343
W01726	DBEst	1273926
W68536	DBEst	1377475
AA497128	DBEst	2230449
T63177	DBEst	666834
H22566	DBEst	891261
N92106	DBEst	1264415
AA402040	DBEst	2056040
AA458533	DBEst	2183440
AA169379	DBEst	1748319
AA127805	DBEst	1687084
AA399334	DBEst	2053071
AA425900	DBEst	2107823
R99105	DBEst	985706
T97813	DBEst	747158
R11688	DBEst	764423
R18222	DBEst	771832
H11562	DBEst	876382
T80979	DBEst	703864
R66056	DBEst	838694
AA775509	DBEst	2834843
R83758	DBEst	928635
AA421242	DBEst	2100205
AA436401	DBEst	2141315
R14766	DBEst	769039
AA844818	DBEst	2931269
AA455775	DBEst	2178551
N70196	DBEst	1226776
AA598652	DBEst	2432235
R41376	DBEst	816682
AA634028	DBEst	2557242
AA022987	DBEst	1487086
AA043091	DBEst	1521192
AA482169	DBEst	2209847
AI015679	DBEst	3230015
R53445	DBEst	815347
AA458849	DBEst	2183756
H23265	DBEst	891960
AA055880	DBEst	1548218
N78083	DBEst	1240784
H30688	DBEst	901598
R54559	DBEst	816461
T50951	DBEst	652811
H20826	DBEst	889521
T63945	DBEst	667810
H18423	DBEst	884663
AA443637	DBEst	2156312
H22949	DBEst	891644
R40967	DBEst	821226
AA004664	DBEst	1448201
R20755	DBEst	775536
AA699707	DBEst	2702670
W73527	DBEst	1383660

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W73168	DBEst	1383322
AA412059	DBEst	2070648
AA411244	DBEst	2068785
H54628	DBEst	994995
W81129	DBEst	1391343
AA427978	DBEst	2112197
AA133721	DBEst	1690707
AA699573	DBEst	2703720
AA464517	DBEst	2189401
AA186776	DBEst	1774876
AA019482	DBEst	1482111
AA029597	DBEst	1497001
W92134	DBEst	1424645
H20822	DBEst	889517
AI820731	DBEst	5439810
N74882	DBEst	1237561
T62636	DBEst	666293
AA679907	DBEst	2656374
R44409	DBEst	823307
AA873885	DBEst	2968021
AA115351	DBEst	1670531
R38044	DBEst	795500
R42852	DBEst	819762
T63214	DBEst	667079
AA443638	DBEst	2156313
W32715	DBEst	1313706
AA406019	DBEst	2064002
AA478338	DBEst	2206972
AA609323	DBEst	2457751
T63945	DBEst	667810
N47387	DBEst	1188553
R55185	DBEst	824480
H10938	DBEst	875758
N51682	DBEst	1192848
AA459527	DBEst	2184434
N44209	DBEst	1182737
AA699931	DBEst	2702894
AA419620	DBEst	2079365
N44673	DBEst	1185839
R43017	DBEst	820079
R31785	DBEst	787628
H39187	DBEst	908686
AA443976	DBEst	2156651
AA464963	DBEst	2189847
T39376	DBEst	647126
AA429804	DBEst	2113028
T96935	DBEst	735559
AA127017	DBEst	1687646
W76368	DBEst	1386592
AA668897	DBEst	2630396
AA453816	DBEst	2167485
AA620757	DBEst	2524696
W84658	DBEst	1395838
AA410188	DBEst	2069284
AA045524	DBEst	1523760
AA455012	DBEst	2177788

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA486092	DBEst	2216308
R91570	DBEst	959110
H22956	DBEst	891651
AA815407	DBEst	2885003
AA456403	DBEst	2178979
T98529	DBEst	748266
AA862465	DBEst	2954944
AA160370	DBEst	1735226
H04828	DBEst	868380
AA677706	DBEst	2658228
AA131450	DBEst	1692956
AA491292	DBEst	2220465
AA419286	DBEst	2079016
AA029418	DBEst	1496961
R43798	DBEst	823647
W73144	DBEst	1383279
AA457718	DBEst	2180438
AA412053	DBEst	2070642
AA406526	DBEst	2064509
N40945	DBEst	1164543
AA708201	DBEst	2718119
H67236	DBEst	1025976
H10098	DBEst	874920
T46923	DBEst	648906
R33307	DBEst	789165
AA419214	DBEst	2079012
R52030	DBEst	813932
AA457042	DBEst	2179762
AA160595	DBEst	1735963
N66843	DBEst	1218968
W67536	DBEst	1376407
AA864323	DBEst	3051191
W15318	DBEst	1289768
AA480851	DBEst	2210403
AA465704	DBEst	2191871
N53177	DBEst	1194343
AA460529	DBEst	2185649
AA449329	DBEst	2163178
AA700322	DBEst	2703285
R54212	DBEst	816114
AA431988	DBEst	2115696
AA284329	DBEst	1928805
T63511	DBEst	667376
AA421218	DBEst	2100043
AA151092	DBEst	1722622
AA620401	DBEst	2524340
AA703609	DBEst	2713527
R48091	DBEst	810117
AA705819	DBEst	2715737
AA455988	DBEst	2178764
W88655	DBEst	1404127
AA608555	DBEst	2456983
H70163	DBEst	1040369
AA054643	DBEst	1545567
AA485978	DBEst	2216194
AA458884	DBEst	2183791

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA151775	DBEst	1720675
AA779251	DBEst	2838582
N62213	DBEst	1210042
AA452801	DBEst	2166470
AA459588	DBEst	2184495
R82801	DBEst	862192
W88725	DBEst	1404207
AA858026	DBEst	2946328
N35187	DBEst	1156329
R10382	DBEst	762338
AA620759	DBEst	2524698
R01094	DBEst	750830
H60445	DBEst	1013277
R07891	DBEst	759814
AA188555	DBEst	1775783
R51871	DBEst	813773
AA465479	DBEst	2191646
AA169372	DBEst	1748312
AA434298	DBEst	2139212
AA417384	DBEst	2077465
AA449463	DBEst	2162854
H90477	DBEst	1080907
H48148	DBEst	924200
AA701677	DBEst	2704842
AA505003	DBEst	2241163
AA676466	DBEst	2656988
AA911661	DBEst	3051025
W72666	DBEst	1382486
W60473	DBEst	1367234
H72247	DBEst	1044063
AA481729	DBEst	2211281
AA758379	DBEst	2806242
AA112727	DBEst	1663860
AA015693	DBEst	1476723
N46717	DBEst	1187883
AA283106	DBEst	1926031
AA187966	DBEst	1774217
T39681	DBEst	647371
AA001432	DBEst	1437117
W90693	DBEst	1406781
AA174106	DBEst	1754248
AA158234	DBEst	1733029
AA164847	DBEst	1741141
T77813	DBEst	695016
N71463	DBEst	1228175
R23727	DBEst	778615
AA598817	DBEst	2432489
AA100674	DBEst	1647035
R08660	DBEst	760583
AA022600	DBEst	1486699
T83439	DBEst	711727
AA916728	DBEst	3056120
AA456377	DBEst	2178953
T77847	DBEst	695050
W76320	DBEst	1386554
R94858::R94859	N/A	N/A

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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R38196	DBEst	795652
H24688	DBEst	893587
AA453982	DBEst	2167651
AA669750	DBEst	2631249
AA457114	DBEst	2179834
H69620	DBEst	1039826
H88588	DBEst	1070848
R60135	DBEst	830830
R31161	DBEst	787004
N49883	DBEst	1191049
AA455206	DBEst	2177982
AA469975	DBEst	2197284
AA015819	DBEst	1476849
H77797	DBEst	1055886
N99169	DBEst	1270625
AA449444	DBEst	2162835
R61372	DBEst	832067
R10675	DBEst	762631
H60514	DBEst	1013346
R16367	DBEst	769977
AA135870	DBEst	1696844
AA047618	DBEst	1527272
N74635	DBEst	1231920
H71242	DBEst	1043058
N23753	DBEst	1137903
H57130	DBEst	1009962
AA489791	DBEst	2220675
AA459197	DBEst	2184104
AA193579	DBEst	1782980
W91901	DBEst	1424484
AA133554	DBEst	1690524
AA448285	DBEst	2161955
H10995	DBEst	875815
N42970	DBEst	1166714
AA159356	DBEst	1734167
W94246	DBEst	1423387
AA464485	DBEst	2189369
N69100	DBEst	1225261
N53169	DBEst	1194335
W37683	DBEst	1319297
R49999	DBEst	811901
H80336	DBEst	1058425
T97997	DBEst	747342
H48270	DBEst	986657
T94293	DBEst	727781
R08830	DBEst	760753
N63696	DBEst	1211525
H52361	DBEst	992202
AA496519	DBEst	2229840
R06363	DBEst	756983
N24645	DBEst	1138795
N67034	DBEst	1219159
AA487683	DBEst	2217847
R33557	DBEst	789415
T71421	DBEst	685942

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R88708	DBEst	953535
N39886	DBEst	1163431
H66883	DBEst	1025623
H68978	DBEst	1030204
N64464	DBEst	1212293
AA456282	DBEst	2179492
H52503	DBEst	992344
T54213	DBEst	656074
R36081	DBEst	792982
R93153	DBEst	967319
H99704	DBEst	1124372
AA083207	DBEst	1625264
R98262	DBEst	983922
AA644448	DBEst	2569666
R26919	DBEst	783054
N62434	DBEst	1210263
H15113	DBEst	879933
H93392	DBEst	1099720
AA011598	DBEst	1472705
H45617	DBEst	921669
W86779	DBEst	1400507
AA401441	DBEst	2053649
R33925	DBEst	789783
T69545	DBEst	680693
AA025889	DBEst	1491506
AA426025	DBEst	2106558
N53552	DBEst	1194718
AA164818	DBEst	1740979
AA699443	DBEst	2702637
R32291	DBEst	788134
AA448505	DBEst	2162175
N70848	DBEst	1227428
AA678318	DBEst	2658840
H37774	DBEst	907273
AA009677	DBEst	1470500
AA677650	DBEst	2658172
H69630	DBEst	1039836
AA487543	DBEst	2217707
W88571	DBEst	1404043
AA701914	DBEst	2705027
R96586	DBEst	982246
AA676268	DBEst	2656790
H79613	DBEst	1057702
H91245	DBEst	1081675
N44161	DBEst	1182689
W02679	DBEst	1274657
T64919	DBEst	673964
N38993	DBEst	1162200
AA132090	DBEst	1693580
N32677	DBEst	1153076
AA621224	DBEst	2525163
N54395	DBEst	1195715
AA485460	DBEst	2214679
W31675	DBEst	1312666
AA453495	DBEst	2167164
R51273	DBEst	813175

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R40176	DBEst	822802
AA405769	DBEst	2063875
N94488	DBEst	1266797
AA131315	DBEst	1692822
W86423	DBEst	1400190
AA460722	DBEst	2185842
T71879	DBEst	686400
AA975209	DBEst	3151001
AA127965	DBEst	1687227
H77736	DBEst	1055825
R99849	DBEst	986450
H94263	DBEst	1101559
H54384	DBEst	994531
N99525	DBEst	1270989
H43657	DBEst	919709
H10226	DBEst	875048
W86908	DBEst	1400647
R02036	DBEst	751772
R53815	DBEst	815717
AA877618	DBEst	2986583
H94563	DBEst	1102196
H57166	DBEst	1009998
W89059	DBEst	1403945
N55067	DBEst	1197946
H50229	DBEst	990070
AA459100	DBEst	2184007
AA491169	DBEst	2220342
R56123	DBEst	826229
R56432	DBEst	826538
N36350	DBEst	1157492
N35743	DBEst	1156885
N59150	DBEst	1203040
R68537	DBEst	842054
H97185	DBEst	1114228
N27996	DBEst	1142477
AA131469	DBEst	1693092
AA489442	DBEst	2219044
R89584	DBEst	954411
T50397	DBEst	652257
H53703	DBEst	993850
W00945	DBEst	1272943
W93147	DBEst	1422516
H95499	DBEst	1108641
W95104	DBEst	1424222
R22057	DBEst	776838
H90434	DBEst	1080864
AA031284	DBEst	1501239
R36539	DBEst	793440
T78751	DBEst	697260
N90491	DBEst	1443818
R52786	DBEst	814688
AA040332	DBEst	1516663
AA454702	DBEst	2177478
AA001449	DBEst	1436914
H77297	DBEst	1055386
H73628	DBEst	1046496



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AI822093	DBEst	5441172
R53935	DBEst	815837
H89651	DBEst	1080081
N52705	DBEst	1193871
R16756	DBEst	770366
AA446859	DBEst	2159524
AA010188	DBEst	1471215
R40446	DBEst	820895
H57816	DBEst	1010648
H63760	DBEst	1018561
H60824	DBEst	1013656
N62946	DBEst	1210775
N67023	DBEst	1219148
AA460556	DBEst	2185676
R08237	DBEst	760160
N59368	DBEst	1203258
R37696	DBEst	795152
R78579	DBEst	854860
R22035	DBEst	776816
R16833	DBEst	770443
AA443093	DBEst	2155768
H23959	DBEst	892654
AA644224	DBEst	2569442
AA496334	DBEst	2229655
AA668527	DBEst	2630026
R33918	DBEst	789776
N32847	DBEst	1153246
H22946	DBEst	891641
N40968	DBEst	1164566
R68012	DBEst	841529
H58872	DBEst	1011704
AA464018	DBEst	2188902
AA394197	DBEst	2047216
H81083	DBEst	1059172
R28660	DBEst	784795
AA398431	DBEst	2051540
H63136	DBEst	1017937
H80214	DBEst	1058303
AA701948	DBEst	2705061
W88841	DBEst	1404333
R49645	DBEst	825175
R59722	DBEst	830417
W15542	DBEst	1289943
AA626705	DBEst	2539092
T95125	DBEst	733749
R98709	DBEst	985310
N51961	DBEst	1193127
N91084	DBEst	1444411
AA148573	DBEst	1721597
AA984314	DBEst	3162839
T77199	DBEst	694402
T99031	DBEst	748768
W92350	DBEst	1424734
R93007	DBEst	965361
T95274	DBEst	733898

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA132524	DBEst	1694031
AA464030	DBEst	2188914
H43317	DBEst	919369
N93967	DBEst	1266276
H60335	DBEst	1013167
H63111	DBEst	1017912
AA406061	DBEst	2064044
AI005521	DBEst	3215031
R92205	DBEst	959745
H79640	DBEst	1057729
N89753	DBEst	1443080
AA398264	DBEst	2051373
H72290	DBEst	1044106
AA010512	DBEst	1471538
N55013	DBEst	1197892
H92974	DBEst	1099302
AA481348	DBEst	2210900
N52535	DBEst	1193701
AA504555	DBEst	2240715
H04382	DBEst	867315
AA009593	DBEst	1470752
R24258	DBEst	779146
AA456474	DBEst	2179050
AA455810	DBEst	2178586
H24355	DBEst	893050
AA486460	DBEst	2216624
R98947	DBEst	985548
H29783	DBEst	900693
AA677083	DBEst	2657605
H09076	DBEst	873898
AA476285	DBEst	2204496
R74581	DBEst	848951
H42728	DBEst	918780
AA486532	DBEst	2216696
AA453598	DBEst	2167267
AA664195	DBEst	2618186
AA863449	DBEst	2955928
T98484	DBEst	748221
T99926	DBEst	749663
H50667	DBEst	990508
N52655	DBEst	1193821
W01927	DBEst	1273906
AA174133	DBEst	1754275
N44638	DBEst	1185732
AA425214	DBEst	2106122
H93339	DBEst	1099667
H40964	DBEst	917016
AA210841	DBEst	1809476
AA262573	DBEst	1898136
N74084	DBEst	1231369
N54596	DBEst	1195916
H56894	DBEst	1009726
R44850	DBEst	824225
T49633	DBEst	651493
N54783	DBEst	1196103

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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R64686	DBEst	836565
N26663	DBEst	1141011
N47075	DBEst	1188241
AA703169	DBEst	2706282
AA777283	DBEst	2836614
H78411	DBEst	1056500
AA629897	DBEst	2552508
R01478	DBEst	751214
R72150	DBEst	846182
R97032	DBEst	982692
AA190313	DBEst	1779023
R22988	DBEst	777876
H12777	DBEst	877597
AA035144	DBEst	1507314
AA151265	DBEst	1719475
AA773358	DBEst	2824929
R02799	DBEst	752535
H68621	DBEst	1027361
T62164	DBEst	665407
R01281	DBEst	751017
H61222	DBEst	1014054
H64146	DBEst	1018947
R33468	DBEst	789326
AA609364	DBEst	2457792
N93440	DBEst	1265749
AA016292	DBEst	1477350
H73014	DBEst	1046554
AA002091	DBEst	1445707
T40640	DBEst	648246
H17800	DBEst	884040
AA465368	DBEst	2191535
T64905	DBEst	673950
AA451863	DBEst	2165532
AA151244	DBEst	1719435
H59057	DBEst	1011889
AA433877	DBEst	2138791
AA677337	DBEst	2657859
AA775028	DBEst	2834362
R95132	DBEst	973862
AA400234	DBEst	2054248
AA459588	DBEst	2184495
T51290	DBEst	653150
AA428182	DBEst	2111832
R91215	DBEst	958755
N50458	DBEst	1191624
R31567	DBEst	787410
N36994	DBEst	1158136
W00376	DBEst	1271795
H17024	DBEst	883264
R70361	DBEst	843878
R89083	DBEst	953910
N51291	DBEst	1192457
W86376	DBEst	1398137
AA132867	DBEst	1694418
N70298	DBEst	1226878

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA454689	DBEst	2177465
R69645	DBEst	843162
H26221	DBEst	895344
R32751	DBEst	788594
AA176957	DBEst	1758115
T71541	DBEst	686062
N53167	DBEst	1194333
AA432049	DBEst	2115757
AA128407	DBEst	1689705
R15715	DBEst	767963
R00046	DBEst	749782
N75691	DBEst	1238269
N62244	DBEst	1210073
N46621	DBEst	1187787
H05939	DBEst	869491
AA459123	DBEst	2184030
R00527	DBEst	750263
N77671	DBEst	1240372
AA457543	DBEst	2180263
T97723	DBEst	747068
N74086	DBEst	1231371
T83386	DBEst	711674
T48011	DBEst	649991
AA452877	DBEst	2166546
AA429307	DBEst	2111920
T70356	DBEst	681504
AA129668	DBEst	1690133
H54263	DBEst	994410
T98782	DBEst	748519
AA458674	DBEst	2183581
AA933888	DBEst	3090156
H29771	DBEst	900681
AA873604	DBEst	2969726
R66803	DBEst	839441
R44955	DBEst	824309
R60014	DBEst	830709
R92056	DBEst	959596
H98683	DBEst	1123351
N40858	DBEst	1164455
R96393	DBEst	982053
H90294	DBEst	1080724
R98107	DBEst	983767
N92697	DBEst	1265006
H18645	DBEst	884885
AA451891	DBEst	2165560
R02480	DBEst	752216
N59245	DBEst	1203135
AA442984	DBEst	2155659
N68163	DBEst	1224324
AA703391	DBEst	2713309
H91265	DBEst	1081695
N59650	DBEst	1203540
AA053296	DBEst	1545755
N74367	DBEst	1231652
R31300	DBEst	787143
R16109	DBEst	767918

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H53038	DBEst	993185
R71190	DBEst	844707
H12392	DBEst	877212
AA490582	DBEst	2219755
H78896	DBEst	1056985
AA099748	DBEst	1645859
N74365	DBEst	1231650
AA115761	DBEst	1670792
AA055828	DBEst	1548303
AA677185	DBEst	2657707
N91003	DBEst	1444330
AA158211	DBEst	1733022
N62231	DBEst	1210060
AA133469	DBEst	1690437
R92435	DBEst	959975
R98045	DBEst	983705
R94894	DBEst	973624
H99394	DBEst	1124062
N36327	DBEst	1157469
N43856	DBEst	1182384
R44477	DBEst	823867
N25085	DBEst	1139235
R59116	DBEst	829811
R98773	DBEst	985374
W02628	DBEst	1274606
T51592	DBEst	653452
R33116	DBEst	788974
H11005	DBEst	875825
W94620	DBEst	1423742
N27637	DBEst	1142118
H95342	DBEst	1102975
H15574	DBEst	880394
R07646	DBEst	759569
H72643	DBEst	1044459
H60689	DBEst	1013521
AA133044	DBEst	1694569
R44265	DBEst	820623
N73909	DBEst	1231194
AA054754	DBEst	1545690
AA278589	DBEst	1919910
W31338	DBEst	1312329
R97106	DBEst	982766
AA419088	DBEst	2078816
T67224	DBEst	676664
N51838	DBEst	1193004
AA464694	DBEst	2189578
AA457728	DBEst	2180448
N64840	DBEst	1212669
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AA857015	DBEst	2945317
RB8901	DBEst	953728
R06894	DBEst	758817
AA464518	DBEst	2189402
W02106	DBEst	1274312
H53572	DBEst	993719
AA007502	DBEst	1463488

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA191404	DBEst	1780065
AA159893	DBEst	1735005
W87781	DBEst	1402034
N54244	DBEst	1195410
W93100	DBEst	1422262
R06424	DBEst	757044
R06873	DBEst	757493
H99398	DBEst	1124066
R40502	DBEst	822877
AA936779	DBEst	3094813
H09200	DBEst	874022
AA191424	DBEst	1780103
AA182707	DBEst	1766408
R12267	DBEst	765002
R19406	DBEst	773016
H82419	DBEst	1060508
N35894	DBEst	1157036
AA702248	DBEst	2705361
H55784	DBEst	1004428
N64716	DBEst	1212545
H69653	DBEst	1039859
H74179	DBEst	1047441
H62267	DBEst	1015099
N90246	DBEst	1443573
N25338	DBEst	1139488
AA489840	DBEst	2220715
AA700769	DBEst	2703934
AA598970	DBEst	2432269
AA455286	DBEst	2178062
T95215	DBEst	733839
W87823	DBEst	1401898
N55359	DBEst	1198238
N32295	DBEst	1152694
T64956	DBEst	674001
N70701	DBEst	1227281
AA010224	DBEst	1471251
R63313	DBEst	835192
N62328	DBEst	1210157
N66845	DBEst	1218970
AA486731	DBEst	2216895
AA456148	DBEst	2179358
AA424562	DBEst	2103532
AA127167	DBEst	1686512
N63988	DBEst	1211817
W47552	DBEst	1332221
R66139	DBEst	838777
N72574	DBEst	1229678
N55430	DBEst	1198309
R42836	DBEst	819746
AA504253	DBEst	2240413
AA452156	DBEst	2165825
T95503	DBEst	734127
H98988	DBEst	1123656
T79911	DBEst	698420
T49609	DBEst	651469
H95669	DBEst	1108811

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H94474	DBEst	1102107
N53328	DBEst	1194494
N32811	DBEst	1153210
H14986	DBEst	879806
T90971	DBEst	722884
AA705077	DBEst	2714995
R45192	DBEst	823546
H79888	DBEst	1057977
H90746	DBEst	1081176
AA486195	DBEst	2216411
AA088359	DBEst	1633871
AA455013	DBEst	2177789
H66441	DBEst	1025181
N49902	DBEst	1191068
R00689	DBEst	750425
N90368	DBEst	1443695
N63691	DBEst	1211520
T75274	DBEst	692036
AA486410	DBEst	2216574
T97590	DBEst	746935
H75763	DBEst	1049775
N69207	DBEst	1225368
R92353	DBEst	959893
AA411655	DBEst	2069318
H82232	DBEst	1060321
AA699724	DBEst	2702687
W04272	DBEst	1276171
R96259	DBEst	981919
AA868929	DBEst	2964374
T72535	DBEst	689210
AA463492	DBEst	2188376
AA459983	DBEst	2184867
AA131506	DBEst	1692994
AI732324	DBEst	5053437
H68434	DBEst	1027174
N59090	DBEst	1202980
H65051	DBEst	1023791
N33593	DBEst	1153992
N45156	DBEst	1186322
R34121	DBEst	789979
T64625	DBEst	673670
R07619	DBEst	759542
R70598	DBEst	844115
T95657	DBEst	734281
H91641	DBEst	1087219
H65065	DBEst	1023805
N62969	DBEst	1210798
R85439	DBEst	943845
AA463449	DBEst	2188333
H84972	DBEst	1064605
R07128	DBEst	759051
N57927	DBEst	1201817
R28287	DBEst	784422
R97031	DBEst	982691
W90001	DBEst	1405979
R89492	DBEst	954319

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H77772	DBEst	1055861
W03071	DBEst	1275049
AA410206	DBEst	2069167
AA600214	DBEst	2433839
AA459909	DBEst	2183355
R12516	DBEst	765592
H75776	DBEst	1049788
W44316	DBEst	1329835
AA598402	DBEst	2432286
AA599311	DBEst	2432936
H53118	DBEst	993265
AA669055	DBEst	2630554
H51719	DBEst	991560
R63497	DBEst	835376
R19395	DBEst	773005
T95054	DBEst	733678
R31154	DBEst	786997
H77715	DBEst	1055804
R64408	DBEst	836287
N72210	DBEst	1229314
T97780	DBEst	747125
AA431073	DBEst	2114781
R98534	DBEst	985051
H80860	DBEst	1058949
N66205	DBEst	1218330
R53980	DBEst	815882
H90948	DBEst	1081378
R56234	DBEst	826340
T58648	DBEst	660485
AA457178	DBEst	2179898
N73842	DBEst	1231127
N71457	DBEst	1228169
R96525	DBEst	982185
AA053165	DBEst	1544374
N63864	DBEst	1211693
H10047	DBEst	874869
T94293	DBEst	727781
R92412	DBEst	959952
H60317	DBEst	1013149
R27412	DBEst	783547
R00150	DBEst	749886
W02483	DBEst	1274481
H79353	DBEst	1057442
H56424	DBEst	1005068
H90134	DBEst	1080564
T86437	DBEst	714789
T97764	DBEst	747109
R92147	DBEst	959687
T64921	DBEst	673966
AA043799	DBEst	1521712
T95160	DBEst	733784
N74247	DBEst	1231532
R18982	DBEst	772592
H19371	DBEst	888066
AA707336	DBEst	2717254
N59219	DBEst	1203109



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H39024	DBEst	908523
N76836	DBEst	1239414
N95217	DBEst	1267498
AA664179	DBEst	2618170
R94591	DBEst	969986
R94490	DBEst	969885
N72800	DBEst	1229904
N47002	DBEst	1188168
R48903	DBEst	810929
AA127395	DBEst	1686772
AA039851	DBEst	1516129
R08260	DBEst	760183
N49914	DBEst	1191080
H21976	DBEst	890671
R42061	DBEst	817007
AA789301	DBEst	2849421
N44560	DBEst	1185654
R09510	DBEst	761433
R30960	DBEst	786803
N50274	DBEst	1191440
R85819	DBEst	944225
W92772	DBEst	1421925
AA004719	DBEst	1448624
R42671	DBEst	819616
AA252469	DBEst	1887450
H85528	DBEst	1064567
N70417	DBEst	1226997
W84733	DBEst	1395863
AA490048	DBEst	2220923
H23963	DBEst	892658
H65261	DBEst	1024001
N58318	DBEst	1202208
T95804	DBEst	734428
H48793	DBEst	988633
AA676441	DBEst	2656963
AA634300	DBEst	2557514
R02439	DBEst	752175
AA629189	DBEst	2541576
H28997	DBEst	899907
T99192	DBEst	748929
W03052	DBEst	1275180
H11718	DBEst	876538
AA026720	DBEst	1492501
R75943	DBEst	850625
R08761	DBEst	760684
T97616	DBEst	746961
R93354	DBEst	967520
AA258944	DBEst	1894069
R90784	DBEst	958324
AA490519	DBEst	2219692
T53431	DBEst	655291
H51050	DBEst	990891
N49005	DBEst	1190171
T98846	DBEst	748583
AA453742	DBEst	2167411
R40025	DBEst	820774

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA402891	DBEst	2056788
R00265	DBEst	750001
AA443093	DBEst	2155768
R16779	DBEst	770389
AA757455	DBEst	2805318
R63735	DBEst	835614
AA047478	DBEst	1525653
AA488646	DBEst	2216077
R42182	DBEst	820573
H68542	DBEst	1027282
AA844831	DBEst	2931282
H19686	DBEst	888381
H65775	DBEst	1024515
N39325	DBEst	1162532
N92136	DBEst	1264445
R63623	DBEst	835502
R66219	DBEst	838857
H53553	DBEst	993700
H54720	DBEst	995087
R99847	DBEst	986448
AA454177	DBEst	2167846
R08866	DBEst	768849
N68607	DBEst	1224768
AA455478	DBEst	2178254
AA877845	DBEst	2986810
AA707171	DBEst	2717089
N95656	DBEst	1267963
AA034058	DBEst	1505867
AA129736	DBEst	1690271
N94856	DBEst	1267126
AA489889	DBEst	2220764
H90990	DBEst	1081420
N80474	DBEst	1243175
N91629	DBEst	1263938
H60625	DBEst	1013457
W48582	DBEst	1337038
W90105	DBEst	1406095
AI733754	DBEst	5054867
AA180059	DBEst	1761325
AA777410	DBEst	2836741
W39609	DBEst	1321357
AA040265	DBEst	1516670
H47208	DBEst	923260
H48537	DBEst	988377
R27975	DBEst	784110
H58591	DBEst	1011423
H81365	DBEst	1059454
H61036	DBEst	1013868
AA679565	DBEst	2660087
N57577	DBEst	1201467
N49204	DBEst	1190370
AA464709	DBEst	2189593
H17625	DBEst	883865
N72116	DBEst	1229220
W31566	DBEst	1312576
T52406	DBEst	654266

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA700553	DBEst	2703516
N55008	DBEst	1197887
W04744	DBEst	1277484
W93682	DBEst	1422804
R92163	DBEst	959703
AA436503	DBEst	2141417
N62178	DBEst	1209991
R63971	DBEst	835850
N92502	DBEst	1264811
R06610	DBEst	757230
R22982	DBEst	777870
AA485454	DBEst	2214673
AA434102	DBEst	2139016
H66158	DBEst	1024898
AA181207	DBEst	1764793
H70143	DBEst	1040349
N47442	DBEst	1188608
AA486836	DBEst	2217000
R12808	DBEst	765884
R99293	DBEst	985894
R99287	DBEst	985888
H84113	DBEst	1062784
H79007	DBEst	1057096
N68486	DBEst	1224647
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H77696	DBEst	1055785
N49895	DBEst	1191061
N52293	DBEst	1193459
N70837	DBEst	1227417
R72661	DBEst	846693
N68821	DBEst	1224982
N73861	DBEst	1231146
AA002226	DBEst	1445161
AA464643	DBEst	2189527
R05660	DBEst	756280
AA491078	DBEst	2220251
R40129	DBEst	820825
R06466	DBEst	757086
R68219	DBEst	841736
H73337	DBEst	1047124
R06642	DBEst	757262
R05837	DBEst	756457
N73510	DBEst	1230795
W92514	DBEst	1424898
AA521448	DBEst	2261991
AA458969	DBEst	2183876
AA609310	DBEst	2457738
R26855	DBEst	782990
W32731	DBEst	1313722
AA053962	DBEst	1544888
AA486427	DBEst	2216591
N59249	DBEst	1203139
R95887	DBEst	981547
AA464250	DBEst	2189134
R81830	DBEst	858433
H61608	DBEst	1014440

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA151529	DBEst	1720016
N32301	DBEst	1152700
H72259	DBEst	1044075
H81331	DBEst	1059420
AA857632	DBEst	2945934
N54596	DBEst	1195916
R07268	DBEst	759191
H47864	DBEst	923916
R52731	DBEst	814633
R33665	DBEst	789523
R26283	DBEst	782418
N48109	DBEst	1189275
AA130874	DBEst	1692362
AA894557	DBEst	3030958
W45285	DBEst	1329387
AA634006	DBEst	2557220
T67022	DBEst	676462
R43250	DBEst	821357
N59568	DBEst	1203458
N35922	DBEst	1157064
N52234	DBEst	1193368
R10429	DBEst	762385
AA457119	DBEst	2179839
N68390	DBEst	1224551
AA432030	DBEst	2115738
AA406585	DBEst	2064578
T98511	DBEst	748248
R06284	DBEst	756904
N59564	DBEst	1203454
R95830	DBEst	981490
H96630	DBEst	1110116
AA598507	DBEst	2432090
T97004	DBEst	735628
AA608572	DBEst	2457000
R42813	DBEst	801037
H87567	DBEst	1069146
AA448281	DBEst	2161951
H23270	DBEst	891965
AA418339	DBEst	2080158
R06370	DBEst	756990
R91244	DBEst	958784
N71303	DBEst	1227883
AA402352	DBEst	2056264
AA464413	DBEst	2189297
R27619	DBEst	783754
R91516	DBEst	959056
AA250771	DBEst	1885736
R44214	DBEst	822077
N77205	DBEst	1239783
N73604	DBEst	1230889
AA464952	DBEst	2189836
R00507	DBEst	750243
H48269	DBEst	986656
AA454082	DBEst	2167751
H73661	DBEst	1046837

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N57848	DBEst	1201738
AA621665	DBEst	2525604
W87319	DBEst	1401384
AI732769	DBEst	5053882
H79433	DBEst	1057522
AA425556	DBEst	2106296
AA426026	DBEst	2106559
H45295	DBEst	921347
T97309	DBEst	746654
R16784	DBEst	770394
T85249	DBEst	713601
AA219229	DBEst	1833303
AA001841	DBEst	1445655
N77552	DBEst	1240253
AA758451	DBEst	2806314
R53916	DBEst	815818
R02329	DBEst	752065
H67707	DBEst	1026447
W73935	DBEst	1384532
T85248	DBEst	713600
R92079	DBEst	959619
H78331	DBEst	1056420
AI017342	DBEst	3231678
N73477	DBEst	1230762
H66650	DBEst	1025390
N69666	DBEst	1225827
AA001444	DBEst	1436975
N27023	DBEst	1141371
R93009	DBEst	965363
N76391	DBEst	1238969
R70549	DBEst	844066
N55342	DBEst	1198221
T95358	DBEst	733982
N74390	DBEst	1231675
N64426	DBEst	1212255
R23504	DBEst	778392
H90997	DBEst	1081427
AA459781	DBEst	2184688
T61269	DBEst	664306
W61215	DBEst	1367982
T97361	DBEst	746706
T99303	DBEst	749040
AA018365	DBEst	1481621
AA434411	DBEst	2139325
AA400086	DBEst	2053906
R31837	DBEst	787680
R01415	DBEst	751151
N62375	DBEst	1210204
R16019	DBEst	768001
AA424681	DBEst	2103625
R25533	DBEst	781668
T62704	DBEst	666361
AA709036	DBEst	2718954
AA012911	DBEst	1473938
R16034	DBEst	768016
AA449883	DBEst	2163633

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA443903	DBEst	2156578
R36212	DBEst	793113
AA479362	DBEst	2207918
T99792	DBEst	749529
H06153	DBEst	869705
AA447540	DBEst	2161210
AA046411	DBEst	1526376
R53258	DBEst	815160
R41911	DBEst	817610
R49117	DBEst	820187
AA844930	DBEst	2931381
AA451684	DBEst	2165353
N57713	DBEst	1201603
R26813	DBEst	782948
R73003	DBEst	847035
N75727	DBEst	1238305
N74930	DBEst	1237476
H99771	DBEst	1124439
N48794	DBEst	1189960
AA172236	DBEst	1751295
H93823	DBEst	1101119
H06380	DBEst	869932
H09325	DBEst	874147
R88990	DBEst	953817
AA625915	DBEst	2538302
W91885	DBEst	1424267
AA777551	DBEst	2837030
H66708	DBEst	1025448
AA447843	DBEst	2161513
T41024	DBEst	648601
H94497	DBEst	1102130
AA136540	DBEst	1697814
H15677	DBEst	880497
AA159962	DBEst	1734453
H93010	DBEst	1099338
H62004	DBEst	1014836
T91287	DBEst	723200
R10043	DBEst	761999
H69528	DBEst	1039734
W95346	DBEst	1425411
AA778919	DBEst	2838250
H95362	DBEst	1102995
H17981	DBEst	884221
N49276	DBEst	1190442
H05770	DBEst	869322
H38230	DBEst	907729
R99749	DBEst	986350
AA459058	DBEst	2183965
H16851	DBEst	883091
R85939	DBEst	944345
R93051	DBEst	965405
R54193	DBEst	816095
N38891	DBEst	1162098
T64409	DBEst	668274
AA620628	DBEst	2524567

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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H77534	DBEst	1055623
AA007521	DBEst	1463497
AI732618	DBEst	5053731
N50935	DBEst	1192101
H58000	DBEst	1010832
AA486857	DBEst	2217021
AA402883	DBEst	2056637
AA609599	DBEst	2458027
AA609684	DBEst	2458112
H14391	DBEst	879211
H72700	DBEst	1044516
AA864554	DBEst	2958867
AA873427	DBEst	2969549
R67373	DBEst	840011
R37602::T79886	N/A	N/A
R95869	DBEst	981529
H55966	DBEst	1004610
N54407	DBEst	1195727
AA045083	DBEst	1523419
T96688	DBEst	735312
R08275	DBEst	760198
AA427782	DBEst	2112362
R45165	DBEst	823519
R53911	DBEst	815813
H48389	DBEst	986776
H52098	DBEst	991939
N57750	DBEst	1201640
AA252352	DBEst	1887315
N73768	DBEst	1231053
H87795	DBEst	1069374
N47763	DBEst	1188929
AA151621	DBEst	1720194
AA416584	DBEst	2077518
AA448167	DBEst	2161837
R09196	DBEst	761119
AA455980	DBEst	2178756
AA290906	DBEst	1938739
N54594	DBEst	1195914
N49856	DBEst	1191022
AA152144	DBEst	1721196
AA664180	DBEst	2618171
W15263	DBEst	1289653
AA292019	DBEst	1939996
AA521243	DBEst	2261786
AA122079	DBEst	1678117
H29231	DBEst	900141
AA434482	DBEst	2139396
R68736	DBEst	842253
H60503	DBEst	1013335
H64244	DBEst	1022984
N77182	DBEst	1239760
N58163	DBEst	1202053
N26802	DBEst	1141150
N92947	DBEst	1265256

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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T95909	DBEst	734533
W00510	DBEst	1271957
T90962	DBEst	722875
R61435	DBEst	832130
R58974	DBEst	829669
AA088560	DBEst	1634065
H69576	DBEst	1039782
N53214	DBEst	1194380
AA485427	DBEst	2214646
H16098	DBEst	880918
AA454595	DBEst	2177371
R02599	DBEst	752335
H52622	DBEst	992463
N74958	DBEst	1237504
N52978	DBEst	1194144
AA191322	DBEst	1779984
R91913	DBEst	959453
N58372	DBEst	1202262
T97023	DBEst	735647
W38026	DBEst	1319620
N52822	DBEst	1193988
AA015663	DBEst	1476693
AA459358	DBEst	2184265
H09759	DBEst	874581
H65832	DBEst	1024572
W58143	DBEst	1364856
R25980	DBEst	782115
AA470073	DBEst	2197382
H12365	DBEst	877185
N71147	DBEst	1227727
R44770	DBEst	824147
N30621	DBEst	1149141
AA705069	DBEst	2714987
AA460675	DBEst	2185795
W02227	DBEst	1274206
AA428070	DBEst	2111763
R95770	DBEst	981430
AA005048	DBEst	1448807
AA448098	DBEst	2161768
AA001845	DBEst	1445659
N74357	DBEst	1231642
N81017	DBEst	1243718
AA181334	DBEst	1764986
W68559	DBEst	1377428
W74254	DBEst	1384502
AA063573	DBEst	1557522
AA155695	DBEst	1727311
AI732811	DBEst	5053924
AA454775	DBEst	2177551
AA464852	DBEst	2189736
AA169190	DBEst	1747766
AA452933	DBEst	2166602
R23515	DBEst	778403
T99881	DBEst	749618
R95913	DBEst	981573



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA609473	DBEst	2457901
H15366	DBEst	880186
T87521	DBEst	715873
W01926	DBEst	1273905
AA436138	DBEst	2141052
T52700	DBEst	654560
R99685	DBEst	986286
AA609365	DBEst	2457793
R09608	DBEst	761531
H85704	DBEst	1067283
N47348	DBEst	1188514
N70127	DBEst	1226707
AA449866	DBEst	2163616
H93086	DBEst	1099414
T95953	DBEst	734577
AA047136	DBEst	1525035
R72969	DBEst	847001
AA457108	DBEst	2179828
AA703519	DBEst	2713437
W94214	DBEst	1423337
W49562	DBEst	1337819
N70023	DBEst	1226603
N91900	DBEst	1264209
N76040	DBEst	1238618
H29257	DBEst	900167
H04826	DBEst	868378
R53973	DBEst	815875
R10347	DBEst	762303
H54253	DBEst	994400
H53262	DBEst	993409
H58814	DBEst	1011646
H79253	DBEst	1057342
N57658	DBEst	1201548
H70887	DBEst	1042703
AA284109	DBEst	1928586
N47014	DBEst	1188180
R63407	DBEst	835286
R89225	DBEst	954052
AA666180	DBEst	2620793
R36070	DBEst	792971
W76645	DBEst	1386909
H51574	DBEst	991415
W73597	DBEst	1383731
AA190434	DBEst	1779265
R26289	DBEst	782424
R62868	DBEst	834747
H81048	DBEst	1059137
H91308	DBEst	1081738
N70203	DBEst	1226783
AA196287	DBEst	1791869
AA457115	DBEst	2179835
R83610	DBEst	928487
H74330	DBEst	1047741
H54476	DBEst	994623
H53053	DBEst	993200

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W56753	DBEst	1358619
AA055241	DBEst	1547597
AA032084	DBEst	1502056
H49741	DBEst	989582
AA425851	DBEst	2106494
H47383	DBEst	923435
N53255	DBEst	1194421
T87109	DBEst	715461
N63823	DBEst	1211652
R93696	DBEst	967862
T70850	DBEst	685371
N21056	DBEst	1126226
R87122	DBEst	945935
R87075	DBEst	945888
N76927	DBEst	1239505
AA457576	DBEst	2180296
H01788	DBEst	864721
AA029964	DBEst	1496220
AA437355	DBEst	2142269
T88816	DBEst	717329
H29415	DBEst	900325
N53065	DBEst	1194231
R66101	DBEst	838739
T97314	DBEst	746659
H27560	DBEst	897550
N55085	DBEst	1197964
R06705	DBEst	757325
N44129	DBEst	1182657
T54643	DBEst	656504
T96965	DBEst	735589
H90573	DBEst	1081003
W86826	DBEst	1400625
AA161283	DBEst	1735519
R93412	DBEst	967578
N62588	DBEst	1210417
R36006	DBEst	792907
AA676227	DBEst	2656749
AA644547	DBEst	2569765
W00943	DBEst	1272941
N53942	DBEst	1195108
AA482181	DBEst	2209859
H65942	DBEst	1024682
AA024617	DBEst	1489558
R89126	DBEst	953953
H60523	DBEst	1013355
T96605	DBEst	735229
AA029331	DBEst	1496820
R84398	DBEst	942804
R68578	DBEst	842095
AA412417	DBEst	2071023
N59451	DBEst	1203341
R31591	DBEst	787434
R78605	DBEst	854886
W84667	DBEst	1395847
AA705423	DBEst	2715341
H38148	DBEst	907647

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R34567	DBEst	791468
AI820748	DBEst	5439827
H11003	DBEst	875823
N40556	DBEst	1164153
AA490887	DBEst	2220060
H03146	DBEst	866079
H77494	DBEst	1055583
R97240	DBEst	982900
N21043	DBEst	1126213
N25657	DBEst	1140005
AI733765	DBEst	5054878
H66709	DBEst	1025449
R88771	DBEst	953598
R99297	DBEst	985898
W63785	DBEst	1371386
H17506	DBEst	883746
R20662	DBEst	775443
N79669	DBEst	1242370
AA129914	DBEst	1689672
N74018	DBEst	1231303
T83110	DBEst	711398
H58175	DBEst	1011007
H75547	DBEst	1050147
N69672	DBEst	1225833
AA155754	DBEst	1727371
AA451965	DBEst	2165634
W42527	DBEst	1326977
AA156691	DBEst	1728305
AA416984	DBEst	2077110
H60163::H60206	N/A	N/A
AA452962	DBEst	2166631
AA455448	DBEst	2178224
R18606	DBEst	772216
R83852	DBEst	928729
N59057	DBEst	1202947
N71473	DBEst	1228185
H56731	DBEst	1005375
N45983	DBEst	1187149
AA400412	DBEst	2054283
R42922	DBEst	819829
R75639	DBEst	850321
N35889	DBEst	1157031
R96694	DBEst	982354
N95139	DBEst	1267448
AA485377	DBEst	2214596
AA487357	DBEst	2217521
H11692	DBEst	876512
R08883	DBEst	768859
N63260	DBEst	1211089
R78575	DBEst	854856
N40331	DBEst	1163876
W90749	DBEst	1406715
AI734186	DBEst	5055299
N62402	DBEst	1210231
W72436	DBEst	1382362
AA458648	DBEst	2183555

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R59580	DBEst	830275
N72540	DBEst	1229644
N57551	DBEst	1201441
N20968	DBEst	1126138
AA701665	DBEst	2704830
W74406	DBEst	1384692
R09498	DBEst	761421
R02699	DBEst	752435
H79241	DBEst	1057330
AA454016	DBEst	2167685
T81516	DBEst	704523
R62340	DBEst	834219
H52412	DBEst	992253
AA046498	DBEst	1524555
AA405800	DBEst	2063783
N71628	DBEst	1228340
W56754	DBEst	1358620
H22537	DBEst	891232
H79845	DBEst	1057934
H80424	DBEst	1058513
N95073	DBEst	1267362
R61187	DBEst	831882
AA288016	DBEst	1933840
AA459693	DBEst	2184600
N51362	DBEst	1192528
AA455185	DBEst	2177961
AA482667	DBEst	2210345
R94456	DBEst	969851
H15541	DBEst	880361
T65992	DBEst	675037
AA707502	DBEst	2717420
AA938623	DBEst	3096651
H29276	DBEst	900186
N25352	DBEst	1139502
R16656	DBEst	770266
T41066	DBEst	648639
AA634109	DBEst	2557323
AA464856	DBEst	2189740
R14977	DBEst	769250
W81506	DBEst	1392697
R12689	DBEst	765765
R63343	DBEst	835222
T97993::T98070	N/A	N/A
AA406242	DBEst	2064223
AA157813	DBEst	1732642
H03518	DBEst	866451
R38018	DBEst	795474
AA707317	DBEst	2717235
H22011	DBEst	890706
H71223	DBEst	1043039
AA877255	DBEst	2986332
R19096	DBEst	772706
N57054	DBEst	1200944
AA707806	DBEst	2717724
H91614	DBEst	1087192
H91057	DBEst	1081487

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H96672	DBEst	1110158
W96278	DBEst	1426185
R93309	DBEst	967475
W24161	DBEst	1300979
H15296	DBEst	880116
N63848	DBEst	1211677
W31078	DBEst	1312068
W48815	DBEst	1336973
W76271	DBEst	1386713
H41144	DBEst	917196
N74383	DBEst	1231668
T48649	DBEst	650509
R16613	DBEst	770223
H99659	DBEst	1124327
R15022	DBEst	769295
H15089	DBEst	879909
T68440	DBEst	679588
R92188	DBEst	959728
N75569	DBEst	1238147
H25551	DBEst	894674
H92234	DBEst	1087812
R31218	DBEst	787061
H69022	DBEst	1030272
AA621644	DBEst	2525583
H65839	DBEst	1024579
W85890	DBEst	1398319
AA436289	DBEst	2141203
AA454745	DBEst	2177521
T47971	DBEst	649951
H98967	DBEst	1123635
N40693	DBEst	1164290
N33927	DBEst	1154327
H09664	DBEst	874486
W02424	DBEst	1274545
T67093	DBEst	676533
N55355	DBEst	1198234
N78198	DBEst	1240899
N36130	DBEst	1157272
W94629	DBEst	1423751
AA459851	DBEst	2184758
H78482	DBEst	1056571
R38161	DBEst	795617
H51039	DBEst	990880
W24837	DBEst	1303651
W93024	DBEst	1422175
H37880	DBEst	907379
R84407	DBEst	942813
T92232	DBEst	724145
H17484	DBEst	883724
AA478880	DBEst	2207514
R00809	DBEst	750545
AA701081	DBEst	2704246
H61979	DBEst	1014811
T52375	DBEst	654235
T80942	DBEst	703827
R22065	DBEst	776846

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H95792	DBEst	1108934
N70978	DBEst	1227558
T80611	DBEst	703496
N74953	DBEst	1237499
H04247	DBEst	867180
H95238	DBEst	1102871
AA487934	DBEst	2215365
T96148	DBEst	734772
R19189	DBEst	772799
H93199	DBEst	1099527
AA465038	DBEst	2189922
AA757671	DBEst	2805534
AA479873	DBEst	2205759
R19183	DBEst	772793
H69049	DBEst	1030299
N75729	DBEst	1238307
R44210	DBEst	822073
T96665	DBEst	735289
T99688	DBEst	749425
N68530	DBEst	1224691
AA701668	DBEst	2704833
AA426199	DBEst	2107539
W07176	DBEst	1281187
AA284288	DBEst	1928570
H62897	DBEst	1017243
W37112	DBEst	1318961
AA004527	DBEst	1448104
N63278	DBEst	1211107
AA430202	DBEst	2113375
H23329	DBEst	892024
R16769	DBEst	770379
R25995	DBEst	782130
AA679067	DBEst	2659589
AA256235	DBEst	1891774
AA402965	DBEst	2056745
N34857	DBEst	1155999
W90725	DBEst	1406671
AA179826	DBEst	1761092
H61684	DBEst	1014516
N69252	DBEst	1225413
AA708619	DBEst	2718537
AA206615	DBEst	1801995
AI792212	DBEst	5339928
AA699450	DBEst	2702644
AA936866	DBEst	3094900
R91386	DBEst	958926
N30792	DBEst	1149312
AA699914	DBEst	2702877
AA701545	DBEst	2704710
T57221	DBEst	659082
R25114	DBEst	780002
R82522	DBEst	861913
H65490	DBEst	1024230
N78159	DBEst	1240860
T49651	DBEst	651511
N94385	DBEst	1266694

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N68871	DBEst	1225032
H56926	DBEst	1009758
H62010	DBEst	1014842
W47350	DBEst	1332058
AA644183	DBEst	2569401
AA701026	DBEst	2704191
H93081	DBEst	1099409
T77891	DBEst	695094
R16900	DBEst	770510
N41944	DBEst	1165975
H94934	DBEst	1102567
AA521027	DBEst	2261570
N70349	DBEst	1226929
R02095	DBEst	751831
AA406571	DBEst	2064564
H56452	DBEst	1005096
H69691	DBEst	1039897
AA167589	DBEst	1746000
R01448	DBEst	751184
N79558	DBEst	1242259
AA101268	DBEst	1648002
R39330::T78759	N/A	N/A
N40554	DBEst	1164151
H68097	DBEst	1026837
N25234	DBEst	1139384
N68820	DBEst	1224981
AA191318	DBEst	1779980
AA421078	DBEst	2099893
AA402863	DBEst	2056617
AA400596	DBEst	2054527
AA481795	DBEst	2211347
H10661	DBEst	875483
R91271	DBEst	958811
R99004	DBEst	985605
H94849	DBEst	1102482
H98780	DBEst	1123448
R54590	DBEst	816492
H21071	DBEst	889766
R08755	DBEst	768817
H83233	DBEst	1061903
AA459110	DBEst	2184017
H14841	DBEst	879661
N78063	DBEst	1240764
T49309	DBEst	651169
AA169535	DBEst	1747976
AA449718	DBEst	2163468
H10641	DBEst	875463
H75626	DBEst	1049948
N26407	DBEst	1140755
AA459285	DBEst	2184192
H95086	DBEst	1102719
W69879	DBEst	1379159
AA676907	DBEst	2657429
H72319	DBEst	1044135
H89292	DBEst	1071552
R08165	DBEst	760088

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
T55513	DBEst	657374
R33082	DBEst	788940
H90848	DBEst	1081278
AA063577	DBEst	1557526
T81035	DBEst	703920
R00326	DBEst	750062
R31426	DBEst	787269
W02403	DBEst	1274383
N36684	DBEst	1157826
N34288	DBEst	1155430
N50158	DBEst	1191324
AA608775	DBEst	2457203
AA055474	DBEst	1547879
AA621047	DBEst	2524986
R37615	DBEst	795071
N51585	DBEst	1192751
R91557	DBEst	959097
N79710	DBEst	1242411
N52814	DBEst	1193980
AA477283	DBEst	2205917
AA609759	DBEst	2458187
R69798	DBEst	843315
T57778	DBEst	659639
T97214	DBEst	735838
N54401	DBEst	1195721
R11384	DBEst	764119
N54653	DBEst	1195973
N74210	DBEst	1231495
AA039857	DBEst	1516135
AA425302	DBEst	2106058
AA704187	DBEst	2714105
R85452	DBEst	943858
H67393::H67448	N/A	N/A
N50454	DBEst	1191620
N50661	DBEst	1191827
W56369	DBEst	1358259
H08223::H08321	N/A	N/A
R12373	DBEst	765449
R16977	DBEst	770587
R15743	DBEst	768027
H86198	DBEst	1067777
H17046	DBEst	883286
T79129	DBEst	697638
R14894	DBEst	769167
N66028	DBEst	1218153
N92319	DBEst	1264628
T97992	DBEst	747337
R89615	DBEst	954442
N29850	DBEst	1148370
AA004321	DBEst	1447956
AA682861	DBEst	2669544
N63099	DBEst	1210928
N53043	DBEst	1194209
N68408	DBEst	1224569
AA099969	DBEst	1646102
N49725	DBEst	1190891



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N33263	DBEst	1153662
AA291556	DBEst	1939730
H52378	DBEst	992219
N34345	DBEst	1155487
R45567	DBEst	823781
W48560	DBEst	1337026
T66919	DBEst	676359
H90603	DBEst	1081033
H94195	DBEst	1101491
N33610	DBEst	1154009
N24786	DBEst	1138936
N51479	DBEst	1192645
AA487501	DBEst	2217665
H46921	DBEst	922973
R51605	DBEst	813507
R87642	DBEst	946455
N77246	DBEst	1239824
H80847	DBEst	1058936
N42062	DBEst	1166093
AA470015	DBEst	2197324
H43656	DBEst	919708
AA283874	DBEst	1928083
AA775321	DBEst	2834655
T85161	DBEst	713513
N68442	DBEst	1224603
H09769	DBEst	874591
R23952	DBEst	778840
R44428	DBEst	823326
H15718	DBEst	880538
AA459364	DBEst	2184271
N52568	DBEst	1193734
N58265	DBEst	1202155
AA704278	DBEst	2714196
AA496845	DBEst	2230166
AA233070	DBEst	1856186
H17349	DBEst	883589
H82698	DBEst	1060787
N57535	DBEst	1201425
H16854	DBEst	883094
H52298	DBEst	992139
H54189	DBEst	994336
N51002	DBEst	1192168
AA004901	DBEst	1448361
N91589	DBEst	1444916
AA775447	DBEst	2834781
R45572	DBEst	823786
N57749	DBEst	1201639
AA158255	DBEst	1733050
AA010611	DBEst	1471637
R16098	DBEst	767907
AA219315	DBEst	1833381
AA682671	DBEst	2669952
AA464403	DBEst	2189287
H82872	DBEst	1061542
AA055052	DBEst	1547391
AA455133	DBEst	2177909

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA620715	DBEst	2524654
AA707847	DBEst	2717765
W95635	DBEst	1425544
H08730	DBEst	873552
H23124	DBEst	891819
AA446887	DBEst	2159552
R91566	DBEst	959106
H87153	DBEst	1068732
R14080	DBEst	767156
AA100595	DBEst	1646877
AA778645	DBEst	2837976
AA456001	DBEst	2178777
N63195	DBEst	1211024
R52522	DBEst	814424
H20757	DBEst	889452
T71214	DBEst	685735
R01566	DBEst	751302
N24046	DBEst	1138196
AI734233	DBEst	5055346
W45025	DBEst	1329106
R74206	DBEst	848576
R99584	DBEst	986185
R99627	DBEst	986228
H64150	DBEst	1018951
H79221	DBEst	1057310
N73551	DBEst	1230836
AA131530	DBEst	1693081
AA065042	DBEst	1558691
AA477893	DBEst	2206527
R02346	DBEst	752082
AA160780	DBEst	1736147
AA404564	DBEst	2059306
AA004823	DBEst	1448330
R43869	DBEst	821747
N91744	DBEst	1264053
H65984	DBEst	1024724
N58281	DBEst	1202171
H98701	DBEst	1123369
N99553	DBEst	1270966
AA018134	DBEst	1481509
W88653	DBEst	1404125
T99012	DBEst	748749
H66227	DBEst	1024967
N35418	DBEst	1156560
N47500	DBEst	1188666
R12386	DBEst	765462
AA278179	DBEst	1921715
H16790	DBEst	883030
R63241	DBEst	835120
AA430504	DBEst	2111094
N32199	DBEst	1152598
AA421473	DBEst	2100298
AA459310	DBEst	2184217
H62421	DBEst	1015253

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N62944	DBEst	1210773
T91282	DBEst	723195
R68721	DBEst	842238
H38086	DBEst	907585
H47335	DBEst	923387
H56127	DBEst	1004771
H90415	DBEst	1080845
N59638	DBEst	1203528
R95007	DBEst	973737
N25920	DBEst	1140268
T90369	DBEst	718882
H67666	DBEst	1026406
N33840	DBEst	1154240
R37495	DBEst	794951
H58001	DBEst	1010833
T54474	DBEst	656335
W00692	DBEst	1272109
H09222	DBEst	874044
H80869	DBEst	1058958
AA404341	DBEst	2059066
R38381	DBEst	795837
R91394	DBEst	958934
W04276	DBEst	1276175
AA682563	DBEst	2669844
AA455404	DBEst	2178180
T82270	DBEst	705277
T91215	DBEst	723128
H70121	DBEst	1040327
W73590	DBEst	1383928
T67056	DBEst	676496
T99288	DBEst	749025
R02740	DBEst	752476
AA128027	DBEst	1687307
R98687	DBEst	985288
AA484971	DBEst	2214190
T50121	DBEst	651981
N57659	DBEst	1201549
N80384	DBEst	1243085
N80145	DBEst	1242846
AA682863	DBEst	2669546
T67007	DBEst	676447
T67137	DBEst	676577
H46093	DBEst	922145
H50505	DBEst	990346
T67182	DBEst	676622
T82259	DBEst	705266
H66470	DBEst	1025210
AA699567	DBEst	2703714
AA397918	DBEst	2051259
N76215	DBEst	1238793
AA115121	DBEst	1669923
R91904	DBEst	959444
N35070	DBEst	1156212
AA703383	DBEst	2713301
R09574	DBEst	761497
R31843	DBEst	787686

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N55272	DBEst	1198151
W94574	DBEst	1423725
R13317	DBEst	766393
N32498	DBEst	1152897
H46748	DBEst	922800
AA406027	DBEst	2064028
T67523	DBEst	678671
AA700793	DBEst	2703958
N55165	DBEst	1198044
N76979	DBEst	1239557
H69787	DBEst	1039993
T69772	DBEst	680920
N66653	DBEst	1218778
H83995	DBEst	1062666
H57585	DBEst	1010417
N64734	DBEst	1212563
AA464108	DBEst	2188992
AA706301	DBEst	2716219
AA704902	DBEst	2714820
AA663552	DBEst	2617543
T68510	DBEst	679658
R41724	DBEst	817431
N48292	DBEst	1189458
AA005351	DBEst	1447833
AA609746	DBEst	2458174
T96871	DBEst	735495
N62376	DBEst	1210205
AA678087	DBEst	2658609
AA521035	DBEst	2261578
T54735	DBEst	656596
AA609300	DBEst	2457728
AA406115	DBEst	2064231
H61758	DBEst	1014590
T82993	DBEst	711281
N75967	DBEst	1238545
T78906	DBEst	697415
AA620995	DBEst	2524934
H92875	DBEst	1099203
AA757466	DBEst	2805329
AA704222	DBEst	2714140
AA878048	DBEst	2987013
R54176	DBEst	816078
N59234	DBEst	1203124
N98412	DBEst	1269895
H14374	DBEst	879194
N54274	DBEst	1195440
N99715	DBEst	1270841
AA218673	DBEst	1832757
AA443121	DBEst	2155796
H79538	DBEst	1057627
N35250	DBEst	1156392
AA432081	DBEst	2115789
AA451830	DBEst	2165499
AA609474	DBEst	2457902
H79046	DBEst	1057135
R19337	DBEst	772947

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H19415	DBEst	888110
AA086005	DBEst	1629572
H55897	DBEst	1004541
AA063598	DBEst	1557565
R61504	DBEst	832199
T86603	DBEst	714955
R91263	DBEst	958803
H71421	DBEst	1043237
N28500	DBEst	1146736
N40434	DBEst	1164031
N98238	DBEst	1269633
R59359	DBEst	830054
T70344	DBEst	681492
AA757414	DBEst	2805277
R61821	DBEst	832516
R08153	DBEst	760076
H69834	DBEst	1040040
H77506	DBEst	1055595
N74915	DBEst	1237461
AA281189	DBEst	1923870
N41554	DBEst	1165585
AA489826	DBEst	2220710
AA476258	DBEst	2204469
H19343	DBEst	885583
H25020	DBEst	893919
N73316	DBEst	1230420
AA702728	DBEst	2705841
AA448092	DBEst	2161762
R18613	DBEst	772223
H19375	DBEst	888070
W60326	DBEst	1367085
AA625655	DBEst	2538042
H62842	DBEst	1017188
W03000	DBEst	1274977
H17511	DBEst	883751
R92455	DBEst	959995
H69876	DBEst	1040082
H95239	DBEst	1102872
R96516	DBEst	982176
AA284031	DBEst	1928443
AI734197	DBEst	5055310
H62167	DBEst	1014999
H54285	DBEst	994432
H72315	DBEst	1044131
H77737	DBEst	1055826
N59800	DBEst	1203690
N40841	DBEst	1164438
N50647	DBEst	1191813
AA159688	DBEst	1741773
N63529	DBEst	1211358
AA011047	DBEst	1472143
AA454827	DBEst	2177603
R64203	DBEst	836082
AA287928	DBEst	1933751
R83160	DBEst	928037
R31910	DBEst	787753

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA609666	DBEst	2458094
N74995	DBEst	1237541
R17939	DBEst	771549
H78796	DBEst	1056885
H81938	DBEst	1060027
N76944	DBEst	1239522
AA044206	DBEst	1522063
N70017	DBEst	1226597
AA011466	DBEst	1472493
AA706753	DBEst	2716671
AA424996	DBEst	2107065
AA432295	DBEst	2114505
AA486293	DBEst	2216509
H95141	DBEst	1102774
R63899	DBEst	835778
AA621150	DBEst	2525089
R41839	DBEst	817543
N59413	DBEst	1203303
R07312	DBEst	759235
AA704255	DBEst	2714173
N72523	DBEst	1229627
AA019591	DBEst	1482883
AA700817	DBEst	2703982
T64994	DBEst	674039
R92176	DBEst	959716
T90290	DBEst	718803
H48278	DBEst	986665
W95076	DBEst	1424194
R49568	DBEst	820412
T58129	DBEst	659990
W86002	DBEst	1398451
AA136082	DBEst	1697292
AA448271	DBEst	2161941
R00933	DBEst	750669
R45367	DBEst	822223
R92994	DBEst	965348
H60022	DBEst	1012854
AA455714	DBEst	2178490
R10159	DBEst	762115
N49717	DBEst	1190883
W96273	DBEst	1426180
AA026695	DBEst	1492539
W90748	DBEst	1406714
AA707080	DBEst	2716998
N66842	DBEst	1218967
H19227	DBEst	885467
R28397	DBEst	784532
AA045257	DBEst	1523461
AA666363	DBEst	2620976
AA969650	DBEst	3144830
AA621408	DBEst	2525347
AA976544	DBEst	3153990
AA857809	DBEst	2946111
AA911827	DBEst	3051219
R53971	DBEst	815873
R42894	DBEst	819802

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N39018	DBEst	1162225
AA703159	DBEst	2706272
AA485530	DBEst	2214749
N92175	DBEst	1264484
H58834	DBEst	1011666
AA282985	DBEst	1925918
R16557	DBEst	770167
H60120	DBEst	1012952
AA757711	DBEst	2805574
R51103	DBEst	813005
AA701232	DBEst	2704397
AA147654	DBEst	1717025
N50797	DBEst	1191963
AA436097	DBEst	2141011
T96132	DBEst	734756
W92715	DBEst	1421867
T66831	DBEst	676271
AA401457	DBEst	2053665
AA703114	DBEst	2706227
AA419143	DBEst	2078941
H82536	DBEst	1060625
H08016	DBEst	872838
AA609955	DBEst	2458383
T52651	DBEst	654511
R42218	DBEst	817086
R54416	DBEst	816318
R94845	DBEst	973575
R44707	DBEst	824086
H09317	DBEst	874139
H18936	DBEst	885176
N47842	DBEst	1189008
H57483	DBEst	1010315
N68075	DBEst	1224236
AA429367	DBEst	2112140
T54914	DBEst	656775
H23556	DBEst	892251
H56029	DBEst	1004673
R37410	DBEst	794866
R11490	DBEst	764225
R71737	DBEst	845769
H77595	DBEst	1055684
W86701	DBEst	1400430
AA130350	DBEst	1691493
N74456	DBEst	1231741
AA485969	DBEst	2215120
H10254	DBEst	875076
AA733027	DBEst	2754386
AA181600	DBEst	1765266
R22459	DBEst	777240
H69004	DBEst	1030230
R00545	DBEst	750281
R22340	DBEst	777121
R85537	DBEst	943943
R98295	DBEst	983955
H58884	DBEst	1011716
N30639	DBEst	1149159

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N28968	DBEst	1147204
W04231	DBEst	1276339
W05000	DBEst	1277720
W67368	DBEst	1376449
R06754	DBEst	757374
AA599107	DBEst	2432732
R66426	DBEst	839064
AA159605	DBEst	1741812
AA485731	DBEst	2214950
AA490058	DBEst	2220933
AA683520	DBEst	2670118
R12708	DBEst	765784
R06569	DBEst	757189
H54423	DBEst	994570
H80519	DBEst	1058608
H93602	DBEst	1099930
N58198	DBEst	1202088
W23890	DBEst	1300705
AA456139	DBEst	2179349
R49470	DBEst	820368
T66832	DBEst	676272
R06859	DBEst	757479
N21228	DBEst	1126398
N80160	DBEst	1242861
W88693	DBEst	1404185
AA398267	DBEst	2051376
N63951	DBEst	1211780
AA029509	DBEst	1496911
H17063	DBEst	883303
N99519	DBEst	1270944
AA167540	DBEst	1745933
R07594	DBEst	759517
R08359	DBEst	760282
H53599	DBEst	993746
N68497	DBEst	1224658
AA608923	DBEst	2457351
R20026	DBEst	774660
AA156385	DBEst	1728001
N51601	DBEst	1192767
R66415	DBEst	839053
T95650	DBEst	734274
R63760	DBEst	835639
N49969	DBEst	1191135
AA458882	DBEst	2183789
AA486144	DBEst	2216360
AA486747	DBEst	2216911
T78487	DBEst	696996
R34857	DBEst	791758
H63090	DBEst	1017891
N54036	DBEst	1195202
AA702714	DBEst	2705827
AA700843	DBEst	2704008
AA677013	DBEst	2657535
AA432324	DBEst	2114707
H04992	DBEst	868544
T90360	DBEst	718873



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
T98616	DBEst	748353
H48115	DBEst	924167
R99311	DBEst	985912
H95824	DBEst	1108966
N54061	DBEst	1195227
W23441	DBEst	1300412
R06160	DBEst	756780
R33616	DBEst	789474
H75737	DBEst	1049749
N71442	DBEst	1228154
AA410190	DBEst	2069286
AA491457	DBEst	2220630
W81410	DBEst	1392440
AA416552	DBEst	2077513
H68932	DBEst	1030101
AA063459	DBEst	1557399
N39449	DBEst	1162656
N40919	DBEst	1164517
AA009773	DBEst	1470576
AA417275	DBEst	2077356
R33353	DBEst	789211
N76858	DBEst	1239436
N49850	DBEst	1191016
N70740	DBEst	1227320
AA418200	DBEst	2080019
R27505	DBEst	783640
AA009830	DBEst	1470877
AA464142	DBEst	2189026
R08032	DBEst	759955
H97976	DBEst	1118861
N65995	DBEst	1218120
W46632	DBEst	1331260
AA011551	DBEst	1472577
AA259131	DBEst	1894566
W31650	DBEst	1312641
R37496	DBEst	794952
W68162	DBEst	1377032
AA703394	DBEst	2713312
AA027316	DBEst	1492933
T77784	DBEst	694987
T84996	DBEst	713348
R99573	DBEst	986174
R89471	DBEst	954298
N39603	DBEst	1162810
AA112057	DBEst	1664143
AA454978	DBEst	2177754
R39223	DBEst	796679
T77781	DBEst	694984
R10301	DBEst	762257
W31919	DBEst	1312930
H17353	DBEst	883593
T67663	DBEst	678811
AA454041	DBEst	2167710
W01110	DBEst	1273158
H99215	DBEst	1123883
N79061	DBEst	1241762

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA054457	DBEst	1545382
AA284416	DBEst	1928696
R76230	DBEst	850912
N39485	DBEst	1162692
H92588	DBEst	1088166
AA777397	DBEst	2836728
N38801	DBEst	1162008
R72243	DBEst	846275
H15464	DBEst	880284
H91011	DBEst	1081441
R66438	DBEst	839076
AA486626	DBEst	2216790
AA402915	DBEst	2056651
R56880	DBEst	826986
H15652	DBEst	880472
R78521	DBEst	854802
W42587	DBEst	1327057
AA757918	DBEst	2805781
AA127763	DBEst	1687108
AA489324	DBEst	2218926
N90595	DBEst	1443922
AA490162	DBEst	2221037
H11448	DBEst	876268
R98003	DBEst	983663
T54673	DBEst	656534
R89542	DBEst	954369
H96554	DBEst	1110040
N92689	DBEst	1264998
W38986	DBEst	1320694
AA461317	DBEst	2186437
N54925	DBEst	1196245
AA218915	DBEst	1832981
AA425665	DBEst	2106385
H11269	DBEst	876089
R96198	DBEst	981858
R99938	DBEst	986539
H73909	DBEst	1046910
AA102222	DBEst	1646450
R67081	DBEst	839719
AA029647	DBEst	1497051
AA400194	DBEst	2054065
T67058	DBEst	676498
T81580	DBEst	704587
R12492	DBEst	765568
R10015	DBEst	761971
H85020	DBEst	1064722
AA463573	DBEst	2188457
AA609311	DBEst	2457739
N24163	DBEst	1138313
N51306	DBEst	1192472
AA010268	DBEst	1471294
R89363	DBEst	954190
R26827	DBEst	782962
AA041396	DBEst	1517630
AA431771	DBEst	2115479
R95996	DBEst	981656

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA074677	DBEst	1614604
T95238	DBEst	733862
T98887	DBEst	748624
N48130	DBEst	1189296
N59766	DBEst	1203656
N67041	DBEst	1219166
AA195318	DBEst	1785009
T85902	DBEst	714254
R33073	DBEst	788931
R34271	DBEst	790129
R36650	DBEst	793551
H51425	DBEst	991266
AA279431	DBEst	1920896
AA160670	DBEst	1736055
AA459174	DBEst	2184081
N35038	DBEst	1156180
N33115	DBEst	1153514
AA609949	DBEst	2458377
H63866	DBEst	1018667
N70970	DBEst	1227550
N74942	DBEst	1237488
R36207	DBEst	793108
N49892	DBEst	1191058
N21688	DBEst	1126858
R43286	DBEst	821393
R59489	DBEst	830184
W32308	DBEst	1313444
AA143010	DBEst	1712387
AA682623	DBEst	2669904
N68594	DBEst	1224755
R92216	DBEst	959756
H82812	DBEst	1061482
AA156235	DBEst	1727853
R68150	DBEst	841667
R09153	DBEst	761076
AA701527	DBEst	2704692
T78604	DBEst	697113
T96077	DBEst	734701
R34787	DBEst	791688
AA452802	DBEst	2166471
R07632	DBEst	759555
R25665	DBEst	781800
R83191	DBEst	928068
N53758	DBEst	1194924
N26562	DBEst	1140910
AA460772	DBEst	2185892
R02526	DBEst	752262
AA101861	DBEst	1645219
R70319	DBEst	843836
AA005063	DBEst	1447760
T96731	DBEst	735355
AA417761	DBEst	2079562
N63753	DBEst	1211582
T96919	DBEst	735543
R26693	DBEst	782828

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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R15931	DBEst	768346
R34039	DBEst	789897
R38239	DBEst	795695
H95358	DBEst	1102991
N63786	DBEst	1211615
AA150532	DBEst	1722088
N98745	DBEst	1270168
AA453517	DBEst	2167186
T90201	DBEst	718714
R31533	DBEst	787376
T75482	DBEst	692244
AA012984	DBEst	1474012
AA005428	DBEst	1448519
R89317	DBEst	954144
AA447835	DBEst	2161505
AA452955	DBEst	2166624
H92524	DBEst	1088102
AA456269	DBEst	2179479
AA126648	DBEst	1686206
AA677026	DBEst	2657548
T57927	DBEst	659788
H51845	DBEst	991686
W01675	DBEst	1273664
N66852	DBEst	1218977
T72068	DBEst	686589
AA705072	DBEst	2714990
N56882	DBEst	1200772
R62835	DBEst	834714
T75260	DBEst	692022
AA452151	DBEst	2165820
H10982	DBEst	875802
H79649	DBEst	1057738
N78022	DBEst	1240723
N70682	DBEst	1227262
R10311	DBEst	762267
H22173	DBEst	890868
AA425229	DBEst	2106003
AA496884	DBEst	2230205
T90794	DBEst	722707
N75718	DBEst	1238296
N51758	DBEst	1192924
N50845	DBEst	1192011
R59608	DBEst	830303
AA678203	DBEst	2658725
AA421275	DBEst	2100100
AA430612	DBEst	2111185
AI820668	DBEst	5439747
AA412442	DBEst	2071012
R67147	DBEst	839785
H14348	DBEst	879168
N95011	DBEst	1267293
AA773325	DBEst	2824896
AA988049	DBEst	3173413
AA449877	DBEst	2163627
W74070	DBEst	1384291

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA826324	DBEst	2899636
R48131	DBEst	810157
H72232	DBEst	1044048
H29650	DBEst	900560
AA026562	DBEst	1492896
AA167565	DBEst	1745958
R40357	DBEst	821101
T69675	DBEst	680823
N23282	DBEst	1137432
AA464967	DBEst	2189851
H16725	DBEst	882965
H71854	DBEst	1043670
N68970	DBEst	1225131
W16425	DBEst	1289599
AA421420	DBEst	2100245
AA479877	DBEst	2204359
AA487773	DBEst	2215204
AA005218	DBEst	1448680
AA481006	DBEst	2210558
R98191	DBEst	983851
AA057425	DBEst	1550066
AA192506	DBEst	1781728
N52554	DBEst	1193720
AA682565	DBEst	2669846
R61700	DBEst	832395
R63911	DBEst	835790
N50428	DBEst	1191594
R62925	DBEst	834804
W77807	DBEst	1388341
T75239	DBEst	692001
R53954	DBEst	815856
T58847	DBEst	660684
N47786	DBEst	1188952
AA702640	DBEst	2705753
H53878	DBEst	994025
H91164	DBEst	1081594
H82169	DBEst	1060258
N49368	DBEst	1190534
AA489252	DBEst	2218854
R00311	DBEst	750047
AA460131	DBEst	2185516
R26929	DBEst	783064
N45423	DBEst	1186589
N68257	DBEst	1224418
R38944	DBEst	796400
R09557	DBEst	761480
R63837	DBEst	835716
N50056	DBEst	1191222
R78627	DBEst	854908
N74059	DBEst	1231344
AA054669	DBEst	1545722
AA610040	DBEst	2458468
N22836 : : N28644	N/A	N/A
W72671	DBEst	1382491
AA678190	DBEst	2658712
AA609482	DBEst	2457910

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA504392	DBEst	2240552
T98514	DBEst	748251
R91034	DBEst	958574
N99803	DBEst	1271317
R21987	DBEst	776768
H52104	DBEst	991945
R99277	DBEst	985878
N25262	DBEst	1139412
N74332	DBEst	1231617
AA026756	DBEst	1492554
AA032090	DBEst	1502062
R36628	DBEst	793529
H37909	DBEst	907408
R95916	DBEst	981576
R99288	DBEst	985889
H80724	DBEst	1058813
N76949	DBEst	1239527
R98948	DBEst	985549
H81188	DBEst	1059277
W37069	DBEst	1320284
AA453774	DBEst	2167443
AA256464	DBEst	1892002
T82461	DBEst	709663
R49714	DBEst	820437
H08541	DBEst	873363
AA682479	DBEst	2669760
AA180045	DBEst	1761311
H71314	DBEst	1043130
N25049	DBEst	1139199
N67051	DBEst	1219176
T81310	DBEst	704195
R28267	DBEst	784402
N21592	DBEst	1126762
AA449332	DBEst	2163181
R87193	DBEst	946006
H95044	DBEst	1102677
T66929	DBEst	676369
T96908	DBEst	735532
T97694	DBEst	747039
R01304	DBEst	751040
R07617	DBEst	759540
R06545	DBEst	757165
H90767	DBEst	1081197
N42874	DBEst	1167304
AA700867	DBEst	2704032
AA120880	DBEst	1678211
AA437124	DBEst	2142038
R20805	DBEst	775586
R22919	DBEst	777807
R69649	DBEst	843166
R93783	DBEst	967949
H58254	DBEst	1011086
H64605	DBEst	1023345
N52589	DBEst	1193755
N59287	DBEst	1203177

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W16822	DBEst	1291480
W52431	DBEst	1349545
AA448168	DBEst	2161838
H15492	DBEst	880312
H71848	DBEst	1043664
W31389	DBEst	1312380
AA699504	DBEst	2703660
AA504750	DBEst	2240910
AA668811	DBEst	2630310
H15352	DBEst	880172
AA486200	DBEst	2216416
W37107	DBEst	1318889
T96522	DBEst	735146
N99463	DBEst	1270869
AA678975	DBEst	2659497
N54238	DBEst	1195404
W86521	DBEst	1400378
AA434297	DBEst	2139211
H46509	DBEst	922561
AA478078	DBEst	2206712
AA456298	DBEst	2179508
W24991	DBEst	1302846
T67026	DBEst	676466
N72934	DBEst	1230038
W99370	DBEst	1435274
AA005280	DBEst	1448742
AA878576	DBEst	2987541
R06969	DBEst	758892
AA027325	DBEst	1492942
N74055	DBEst	1231340
N78454	DBEst	1241155
N94321	DBEst	1266630
T41032	DBEst	648609
N68447	DBEst	1224608
N34617	DBEst	1155759
AA010328	DBEst	1471374
R89824	DBEst	954651
AA448993	DBEst	2163013
AA705977	DBEst	2715895
AA497025	DBEst	2230346
R43053	DBEst	820114
AA704913	DBEst	2714831
AA043873	DBEst	1522020
AA873234	DBEst	2969356
T53219	DBEst	655079
AA504572	DBEst	2240732
R37816	DBEst	795272
N74366	DBEst	1231651
AA489111	DBEst	2218713
R15784	DBEst	768199
N75133	DBEst	1237711
AA454080	DBEst	2167749
AI732783	DBEst	5053896
AA705112	DBEst	2715030
N29778	DBEst	1148298
W61303	DBEst	1368079

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W20278	DBEst	1296212
AA434390	DBEst	2139304
W86466	DBEst	1400213
AA457235	DBEst	2179955
AA404229	DBEst	2058971
R77512	DBEst	852622
AI001203	DBEst	3191757
R80790	DBEst	857071
AA609861	DBEst	2458289
AA609783	DBEst	2458211
AA621323	DBEst	2525262
H48251	DBEst	986638
N21546	DBEst	1126716
W47183	DBEst	1332050
W70342	DBEst	1379642
AA453497	DBEst	2167166
AA486524	DBEst	2216688
AA670430	DBEst	2631929
AA629987	DBEst	2552598
T91039	DBEst	722952
R99471	DBEst	986072
N59432	DBEst	1203322
AA489768	DBEst	2220652
R91146	DBEst	958686
W47179	DBEst	1332046
W68266	DBEst	1377136
AA609392	DBEst	2457820
R43684	DBEst	821597
AA778826	DBEst	2838157
R51836	DBEst	813738
H23230	DBEst	891925
AA018569	DBEst	1481888
AA252348	DBEst	1887311
AA400344	DBEst	2054216
AA464887	DBEst	2189771
T84703	DBEst	713055
H85434	DBEst	1064456
N46353	DBEst	1187519
AA136213	DBEst	1697525
R38652	DBEst	796108
H09243	DBEst	874065
H17731	DBEst	883971
H29620	DBEst	900530
R68586	DBEst	842103
R63782	DBEst	835661
H58237	DBEst	1011069
R98073	DBEst	983733
H93315	DBEst	1099643
N78301	DBEst	1241002
N62080	DBEst	1210009
N66039	DBEst	1218164
W87801	DBEst	1401886
AA425056	DBEst	2107189
R39098	DBEst	796554
N58073	DBEst	1201963
W39709	DBEst	1321436



TABLE 4-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA251457	DBEst	1886549
AA459937	DBEst	2184821
R28423	DBEst	784558
N92293	DBEst	1264602
AA135867	DBEst	1697099
AA167549	DBEst	1745942
R12201	DBEst	764936
AA083714	DBEst	1625774
N71002	DBEst	1227582
R08790	DBEst	760713
R86333	DBEst	944739
R96358	DBEst	982018
N33590	DBEst	1153989
AA429661	DBEst	2113038
AA427778	DBEst	2112358
R07313	DBEst	759236
AA025940	DBEst	1491250
AA454572	DBEst	2177348
R20305	DBEst	774939
R53442	DBEst	815344
AA142842	DBEst	1712285
AA460254	DBEst	2185070
AA236617	DBEst	1860637
R42698	DBEst	819643
W05452	DBEst	1278174
H65232	DBEst	1023972
T96309	DBEst	734933
R06862	DBEst	757482
H80100	DBEst	1058189
H91281	DBEst	1081711
AA404276	DBEst	2059000
T80918	DBEst	703803
N55081	DBEst	1197960
AA701964	DBEst	2705077
R08598	DBEst	760521
R94521	DBEst	969916
N52938	DBEst	1194104
N91997	DBEst	1264306
AI734182	DBEst	5055295
H56640	DBEst	1005284
AA701893	DBEst	2705006
AA149253	DBEst	1719969
AA489276	DBEst	2218878
R11498	DBEst	764233
H50657	DBEst	990498
H79565	DBEst	1057654
N47168	DBEst	1188334
AA703553	DBEst	2713471
AA460366	DBEst	2185579
T69271	DBEst	680419
AA195636	DBEst	1783715
N46007	DBEst	1187173
AA775423	DBEst	2834757
N62301	DBEst	1210130
W90486	DBEst	1406272
AA464711	DBEst	2189595

TABLE 4-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R70685	DBEst	844202
H89713	DBEst	1080143
W86987	DBEst	1400744
AA088214	DBEst	1633717
AA018232	DBEst	1481488
AA758152	DBEst	2806015
R92348	DBEst	959888
N52337	DBEst	1193503
AA025807	DBEst	1491173
T71629	DBEst	686150
T97921	DBEst	747266
R01257	DBEst	750993
R06453	DBEst	757073
R10333	DBEst	762289
R91502	DBEst	959042
N68854	DBEst	1225015
N74650	DBEst	1231935
AA122269	DBEst	1678508
AA425773	DBEst	2106493
H29198	DBEst	900108
N22827	DBEst	1136977
AA043457	DBEst	1521313
AA432030	DBEst	2115738
T91086	DBEst	722999
R06119	DBEst	756739
H94492	DBEst	1102125
R71234	DBEst	844751
AI668705	DBEst	4828013
H01340	DBEst	864273
R98822	DBEst	985423
N59251	DBEst	1203141
AA700690	DBEst	2703855
W19716	DBEst	1295615
AA699972	DBEst	2702935
R08297	DBEst	760220
T66849	DBEst	676289
H52702	DBEst	992543
H90407	DBEst	1080837
N50655	DBEst	1191821
AA496409	DBEst	2229730
H16718	DBEst	882958
AA456529	DBEst	2179105
H77818	DBEst	1055907
N54946	DBEst	1196266
N48700	DBEst	1189866
T98531	DBEst	748268
N80119	DBEst	1242820
AA001976	DBEst	1445411
T81301	DBEst	704186
N91385	DBEst	1444712
W31885	DBEst	1312877
W46303	DBEst	1331001
AA280677	DBEst	1923382
AA701654	DBEst	2704819
H15288	DBEst	880108
H95360	DBEst	1102993

TABLE 4-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N54487	DBEst	1195807
R07650	DBEst	759573
R95749	DBEst	981409
AA055403	DBEst	1547942
R01669	DBEst	751405
R53927	DBEst	815829
AA788874	DBEst	2848994
T95558	DBEst	734182
N79989	DBEst	1242690
W46488	DBEst	1331116
W21225	DBEst	1298257
R08110	DBEst	760033
AA496957	DBEst	2230278
AA401693	DBEst	2057177
R54665	DBEst	819123
AA285109	DBEst	1927863
AA421335	DBEst	2100160
AA464525	DBEst	2189409
AA028987	DBEst	1496389
AA013354::AA0133	N/A	N/A
55		
AA278594	DBEst	1919932
H98619	DBEst	1123287
AA465616	DBEst	2191783
AA428159	DBEst	2112371
AA035137	DBEst	1507307
AI733924	DBEst	5055037
AA406505	DBEst	2064488
AA213668	DBEst	1812287
AA410434	DBEst	2069540
R56769	DBEst	826875
T71070	DBEst	685591
R00129	DBEst	749865
R94495	DBEst	969890
N91347	DBEst	1444674
AA449048	DBEst	2163068
R02259	DBEst	751995
T68226	DBEst	679374
R90958	DBEst	958498
R89374	DBEst	954201
H66740	DBEst	1025480
H72533	DBEst	1044349
AA009484	DBEst	1470839
AA128008	DBEst	1687288
H10472	DBEst	875294
N57950	DBEst	1201840
N23652	DBEst	1137802
N64145	DBEst	1211974
W37733	DBEst	1319327
AA491206	DBEst	2220379
AA709322	DBEst	2719240
R66533	DBEst	839171
R95760	DBEst	981420
AA043790	DBEst	1521675
AA007370	DBEst	1463374
R23810	DBEst	778698

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N57728	DBEst	1201618
H15707	DBEst	880527
T82884	DBEst	711172
R01179	DBEst	750915
N28256	DBEst	1146492
N22494	DBEst	1128628
N32072	DBEst	1152471
W73366	DBEst	1383499
AA708279	DBEst	2718197
AA428160	DBEst	2111819
AA464972	DBEst	2189856
AI732268	DBEst	5053381
R98042	DBEst	983702
AA033991	DBEst	1505800
AA457138	DBEst	2179858
W30810	DBEst	1311820
AA486403	DBEst	2216567
T78739	DBEst	697248
AA708299	DBEst	2718217
AA708058	DBEst	2717976
AA677240	DBEst	2657762
AA663960	DBEst	2617951
H17198	DBEst	883438
T97628	DBEst	746973
AA453579	DBEst	2167248
R37472	DBEst	794928
AA454947	DBEst	2177723
AA682642	DBEst	2669923
W69953	DBEst	1379213
AA129135	DBEst	1688902
H10627	DBEst	875449
R83837	DBEst	928714
R77252	DBEst	851884
H26069	DBEst	895192
AA775899	DBEst	2835233
AA406456	DBEst	2064441
AA410232	DBEst	2069193
AA465426	DBEst	2191593
H15695	DBEst	880515
AA088744	DBEst	1634265
AA449903	DBEst	2163653
AA872602	DBEst	2968780
R56813	DBEst	826919
AI017363	DBEst	3231699
H51434	DBEst	991275
AA394152	DBEst	2047285
AA461592	DBEst	2185456
AA459614	DBEst	2184521
AA491386	DBEst	2220559
AA779843	DBEst	2839174
R42714	DBEst	819659
T53976	DBEst	655837
H65676	DBEst	1024416
H65409	DBEst	1024149
N54497	DBEst	1195817
N27028	DBEst	1141376

TABLE 4-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N63062	DBEst	1210891
W56424	DBEst	1357908
AA204743	DBEst	1802593
R56134	DBEst	826240
H10372	DBEst	875194
H29211	DBEst	900121
H19312	DBEst	885552
R06746	DBEst	757366
W37782	DBEst	1319593
AA454710	DBEst	2177486
AA702795	DBEst	2705908
R19410	DBEst	773020
AA488075	DBEst	2215506
AA156793	DBEst	1728408
N74997	DBEst	1237543
R11184	DBEst	763919
N53192	DBEst	1194358
AA417956	DBEst	2079775
H84893	DBEst	1064396
AA455062	DBEst	2177838
AA621535	DBEst	2525474
N98243	DBEst	1269686
AA235974	DBEst	1860476
R34273	DBEst	790131
H19400	DBEst	888095
R24882	DBEst	779770
N78391	DBEst	1241092
AA102670	DBEst	1648004
AA775364	DBEst	2834698
R51513	DBEst	813415
N74131	DBEst	1231416
AA634054	DBEst	2557268
AA680070	DBEst	2656537
AA774082	DBEst	2825971
AA872143	DBEst	2968321
T96228	DBEst	734852
R34382	DBEst	791283
AA873089	DBEst	2969211
AA679588	DBEst	2660110
R38099	DBEst	795555
R39066	DBEst	796522
H09778	DBEst	874600
R86920	DBEst	945584
W49761	DBEst	1338035
AA404719	DBEst	2058922
AA458534	DBEst	2183441
R41169	DBEst	816499
AA490158	DBEst	2221033
R36299	DBEst	793200
N40082	DBEst	1163627
AA777233	DBEst	2836564
R66268	DBEst	838906
AA774478	DBEst	2833812
AA147439	DBEst	1716828
AA128560	DBEst	1689590
N46845	DBEst	1188011

TABLE 4-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W32884	DBEst	1314939
R24591	DBEst	779479
AA489640	DBEst	2219242
AA670107	DBEst	2631606
N64753	DBEst	1212582
AA610066	DBEst	2458494
AA463230	DBEst	2188114
R40835	DBEst	821193
H16179	DBEst	880999
H17321	DBEst	883561
AA629532	DBEst	2552143
N27303	DBEst	1141651
N47090	DBEst	1188256
W35416	DBEst	1317362
AA206996	DBEst	1802364
AA478875	DBEst	2207509
AA456818	DBEst	2179538
AA703208	DBEst	2706321
N45440	DBEst	1186606
R83837	DBEst	928714
N44783	DBEst	1185949
AA001359	DBEst	1437463
T99617	DBEst	749354
AA046424	DBEst	1526335
H11760	DBEst	876580
H02307	DBEst	865240
AA670123	DBEst	2631622
AA773983	DBEst	2825872
N34150	DBEst	1154550
W05282	DBEst	1278023
AA195080	DBEst	1784770
AA429076	DBEst	2110662
AA454160	DBEst	2167829
AA725564	DBEst	2743271
H23209	DBEst	891904
N51357	DBEst	1192523
H22563	DBEst	891258
H29897	DBEst	900807
W56771	DBEst	1358637
AA669162	DBEst	2630661
AA774833	DBEst	2834167
AA704293	DBEst	2714211
R91639	DBEst	959179
H97140	DBEst	1114183
AA443695	DBEst	2156370
AA018124	DBEst	1481426
AA702464	DBEst	2705577
H77843	DBEst	1055932
R54050	DBEst	815952
W44517	DBEst	1330018
AI014441	DBEst	3228822
AA625751	DBEst	2538138
AA678160	DBEst	2658682
R44864	DBEst	824237
N70411	DBEst	1226991
AA128536	DBEst	1688508

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA428421	DBEst	2112235
AA857413	DBEst	2945715
AA487231	DBEst	2217395
AA456331	DBEst	2178907
AA430638	DBEst	2111211
H17569	DBEst	883809
R55894	DBEst	826000
R39769	DBEst	797225
AA682320	DBEst	2669637
AA460370	DBEst	2185583
H50622	DBEst	990463
AA708789	DBEst	2718707
AA676837	DBEst	2657359
AA398430	DBEst	2051539
T72915	DBEst	689590
W93382	DBEst	1422504
H51992	DBEst	991833
AA431434	DBEst	2115142
R54542	DBEst	816444
R98842	DBEst	985443
AA411380	DBEst	2068912
AA064668	DBEst	1558751
AA677880	DBEst	2658402
AA481950	DBEst	2209628
AA173408	DBEst	1753537
AA490981	DBEst	2220154
AA460749	DBEst	2185869
AA677025	DBEst	2657547
N90704	DBEst	1444031
R23322	DBEst	778210
AA496148	DBEst	2229469
AA156704	DBEst	1728318
AA055968	DBEst	1548325
AA482150	DBEst	2209828
AA666234	DBEst	2620847
AA599007	DBEst	2432047
T77308	DBEst	694511
R40920	DBEst	823122
R52326	DBEst	814228
H05772	DBEst	869324
H77360	DBEst	1055449
AA883327	DBEst	2992857
W94876	DBEst	1424160
AA971543	DBEst	3146833
R02017	DBEst	751753
N91115	DBEst	1444442
AA772799	DBEst	2825641
AA778448	DBEst	2837779
AA677078	DBEst	2657600
AA027266	DBEst	1492141
R19846	DBEst	774480
AA188573	DBEst	1775598
W07798	DBEst	1281878
AA459474	DBEst	2184381
AA285018	DBEst	1927699
AA432100	DBEst	2115808

TABLE 4-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA487115	DBEst	2217279
R92812	DBEst	965166
H51461	DBEst	991302
AA682419	DBEst	2669700
R38655	DBEst	796111
H17543	DBEst	883783
AA676822	DBEst	2657344
AA863443	DBEst	2955922
AA436935	DBEst	2141849
T69543	DBEst	680691
R16074	DBEst	767883
H18067	DBEst	884307
R32952	DBEst	788795
AA704792	DBEst	2714710
N78390	DBEst	1241091
AA161188	DBEst	1735442
AA453170	DBEst	2166839
H96534	DBEst	1110020
AA608531	DBEst	2456959
N71461	DBEst	1228173
N52073	DBEst	1193239
AA417592	DBEst	2079402
AA101770	DBEst	1648793
AA778998	DBEst	2838329
T80560	DBEst	699069
AA775755	DBEst	2835089
H80655	DBEst	1058744
AA705053	DBEst	2714971
AA774309	DBEst	2826118
AA453433	DBEst	2167102
AA702186	DBEst	2705299
AI005351	DBEst	3214861
R17758	DBEst	771368
AA453926	DBEst	2167595
AA703393	DBEst	2713311
R31168	DBEst	787011
R70140	DBEst	843657
N25242	DBEst	1139392
AA625890	DBEst	2538277
AA418782	DBEst	2080592
AA018504	DBEst	1481759
N31948	DBEst	1152347
H44032	DBEst	920084
AA190871	DBEst	1779391
W61100	DBEst	1367877
AA135886	DBEst	1696860
AA437099	DBEst	2142013
AA477196	DBEst	2205880
H81009	DBEst	1059098
AA465521	DBEst	2191688
AA465508	DBEst	2191675
AA633887	DBEst	2557101
AA779715	DBEst	2839046
AA919020	DBEst	3058910
AA504501	DBEst	2240661
H12946	DBEst	877766



TABLE 4-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R01649	DBEst	751385
H60297	DBEst	1013129
AA810225	DBEst	2879584
R27733	DBEst	783868
R43319	DBEst	821426
N45236	DBEst	1186402
AA129344	DBEst	1689127
AA883711	DBEst	2993241
AA702420	DBEst	2705533
AA706990	DBEst	2716908
AA207105	DBEst	1802456
AA872402	DBEst	2968580
H08582	DBEst	873404
R62173	DBEst	834052
W84753	DBEst	1395872
AA044890	DBEst	1523094
AA465495	DBEst	2191662
H09757	DBEst	874579
AA701300	DBEst	2704465
AA973944	DBEst	3149124
AA679303	DBEst	2659825
T47624	DBEst	649604
AA421018	DBEst	2099851
AA487575	DBEst	2217739
H08292	DBEst	873114
AA434269	DBEst	2139183
AA599177	DBEst	2432802
AA004975	DBEst	1448835
AA427789	DBEst	2111605
T49354	DBEst	651214
W78714	DBEst	1389281
AA143436	DBEst	1712806
AA425437	DBEst	2106202
AA858296	DBEst	2946598
N91990	DBEst	1264299
AA865590	DBEst	2957866
AI791569	DBEst	5339285
H85107	DBEst	1063850
AA443712	DBEst	2156387
W73409	DBEst	1383853
AA775774	DBEst	2835108
AA029368	DBEst	1496772
T71650	DBEst	686171
R07219	DBEst	759142
W60846	DBEst	1367604
AA678290	DBEst	2658812
H95712	DBEst	1108854
AA857944	DBEst	2946246
H80707	DBEst	1058796
AA705316	DBEst	2715234
R96155	DBEst	981815
AA074511	DBEst	1614398
N63445	DBEst	1211274
AA452572	DBEst	2166241
AA042928	DBEst	1522610
T99176	DBEst	748913

TABLE 4-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA780180	DBEst	2839511
T96381	DBEst	735005
AA629517	DBEst	2552128
R61377	DBEst	832072

Table 5

#	Clone Id	Accession No.	Ave-All-					overall- sum	endo- sum	clear- sum	serous- sum
			Normal	2fold	3fold	5fold	10fold				
8738	324655	W47101	998.9	37.0	37.0	37.0	37.0	10.0	10.0	10.0	10.0
8976	491763	AA156711	548.0	37.0	37.0	37.0	37.0	10.0	10.0	10.0	10.0
9034	756687	AA444092	525.8	37.0	37.0	37.0	37.0	10.0	10.0	10.0	10.0
2750	141966	R68803	128.3	37.0	37.0	37.0	37.0	10.0	10.0	10.0	10.0
1134	297212	W03754	89.7	37.0	37.0	37.0	37.0	10.0	10.0	10.0	10.0
23636	1527047	AA916552	102.8	37.0	37.0	37.0	37.0	10.0	10.0	10.0	10.0
15780	346997	W79345	374.8	37.0	37.0	37.0	36.0	9.8	10.0	10.0	9.8
7492	22355	T74284	267.2	37.0	37.0	37.0	36.0	9.8	10.0	10.0	9.8
9566	345680	W76278	302.1	37.0	37.0	37.0	36.0	9.8	9.1	10.0	10.0
10633	429349	AA007419	192.3	37.0	37.0	37.0	36.0	9.8	10.0	10.0	9.8
8801	25194	R39044	126.1	37.0	37.0	37.0	36.0	9.8	9.1	10.0	10.0
21822	859858	AA679454	426.8	37.0	37.0	37.0	36.0	9.8	10.0	8.8	10.0
4367	23073	T75110	123.0	37.0	37.0	36.0	36.0	9.8	10.0	10.0	9.7
8597	324951	W48852	92.9	37.0	37.0	36.0	36.0	9.8	10.0	10.0	9.7
22482	207558	H60173	484.4	37.0	37.0	37.0	36.0	9.8	8.8	10.0	10.0
24179	773558	AA428394	208.8	37.0	37.0	37.0	36.0	9.8	10.0	8.5	10.0
9427	814798	AA465614	1234.9	36.0	36.0	36.0	36.0	9.7	10.0	10.0	9.6
3782	248545	N78234	135.4	36.0	36.0	36.0	36.0	9.7	10.0	8.0	10.0
19531	324513	W51909	82.0	37.0	37.0	36.0	35.0	9.6	10.0	10.0	9.5
4204	341680	W60413	101.3	37.0	37.0	35.0	35.0	9.6	10.0	10.0	9.4
3633	726086	AA399473	939.2	36.0	36.0	36.0	35.0	9.6	10.0	8.8	9.6
5727	135713	R32428	112.9	37.0	37.0	37.0	34.0	9.5	10.0	10.0	9.3
15295	1410444	AA857163	165.9	37.0	37.0	37.0	34.0	9.5	8.3	10.0	9.8
10602	256907	N40887	327.8	35.0	35.0	35.0	35.0	9.5	8.6	8.0	10.0
25297	307053	W21015	102.5	37.0	37.0	37.0	34.0	9.4	8.8	7.0	10.0
17303	488246	AA088177	123.6	37.0	37.0	37.0	33.0	9.4	10.0	10.0	9.0
2559	127120	R08120	86.6	37.0	37.0	37.0	33.0	9.4	9.1	8.8	9.5
18767	148954	H04585	82.1	37.0	37.0	37.0	33.0	9.4	10.0	10.0	9.0
13673	258118	N27108	116.9	37.0	37.0	36.0	33.0	9.3	10.0	8.8	9.2
20293	269425	N26171	171.9	37.0	37.0	34.0	33.0	9.3	10.0	10.0	8.9
14689	796732	AA460708	165.9	37.0	37.0	37.0	32.0	9.2	9.1	10.0	9.0
2965	246722	N57754	365.8	37.0	37.0	36.0	32.0	9.2	8.1	10.0	9.3
2430	785933	AA449715	95.5	37.0	37.0	36.0	32.0	9.2	9.1	10.0	9.0
10154	345849	W70343	149.0	37.0	36.0	35.0	32.0	9.1	10.0	8.8	8.9
7401	418262	W90740	127.0	36.0	36.0	35.0	32.0	9.1	10.0	8.8	8.8
20622	197914	R96290	74.3	37.0	37.0	37.0	31.0	9.0	10.0	10.0	8.6
4735	897910	AA598653	284.4	36.0	35.0	34.0	32.0	9.0	10.0	10.0	8.5
15915	416113	W85900	216.9	37.0	37.0	36.0	31.0	9.0	7.3	7.6	9.8
7442	199367	R95691	342.0	37.0	36.0	36.0	30.0	8.8	8.9	7.6	9.0
22430	148071	H13237	54.6	36.0	36.0	35.0	32.0	8.8	8.8	8.5	8.8
683	52096	H23235	153.7	37.0	36.0	35.0	29.0	8.6	8.0	7.4	9.0
3478	45138	H07991	61.1	36.0	36.0	36.0	29.0	8.6	6.9	10.0	8.8
3229	666879	AA252968	124.8	37.0	36.0	36.0	28.0	8.5	9.1	8.8	8.2
11194	415204	W91933	154.2	37.0	34.0	31.0	29.0	8.5	10.0	8.4	8.0
376	269815	N27159	70.3	36.0	36.0	36.0	28.0	8.4	10.0	8.8	7.9
17807	262060	H99075	172.3	36.0	36.0	35.0	28.0	8.4	9.1	7.6	8.4
13397	767993	AA418945	63.9	36.0	34.0	33.0	28.0	8.3	7.9	8.8	8.3
17088	296556	N73836	174.9	36.0	35.0	35.0	27.0	8.2	8.3	10.0	7.8
7781	324690	W47324	93.8	37.0	37.0	37.0	26.0	8.2	8.3	10.0	7.8
1166	343072	W67174	586.4	37.0	35.0	32.0	27.0	8.2	8.1	7.6	8.3
11370	323238	W42812	203.8	37.0	35.0	32.0	27.0	8.2	8.0	7.6	8.4
9038	128753	R14607	83.5	37.0	36.0	35.0	26.0	8.1	8.0	7.4	8.3
15435	731311	AA416767	214.5	37.0	36.0	31.0	26.0	8.0	8.1	10.0	7.6
3226	485989	AA040835	100.0	37.0	37.0	36.0	25.0	8.0	9.1	10.0	7.3

Table 5

9308	771004	AA427719	69.7	37.0	37.0	36.0	25.0	8.0	7.3	7.6	8.3
12367	273501	N33264	15.0	37.0	34.0	32.0	26.0	8.0	7.0	7.4	8.4
10615	147050	R80322	99.1	37.0	36.0	33.0	25.0	7.9	8.1	8.8	7.7
6286	324437	W46900	130.2	36.0	35.0	35.0	25.0	7.9	6.9	8.8	8.0
8164	415828	W84789	76.0	37.0	37.0	37.0	24.0	7.9	8.3	8.8	7.6
5545	251685	H96738	162.1	36.0	36.0	33.0	25.0	7.9	6.9	6.4	8.4
12155	76169	T59658	227.8	37.0	37.0	35.0	23.0	7.7	7.4	5.2	8.2
804	31093	R17717	41.7	36.0	36.0	31.0	24.0	7.6	8.0	5.2	8.0
3964	839101	AA487623	331.1	33.0	31.0	29.0	26.0	7.6	6.4	8.8	7.7
4335	139009	R62662	1032.6	35.0	34.0	31.0	24.0	7.5	7.3	10.0	7.1
12146	365515	AA009608	106.0	36.0	36.0	32.0	23.0	7.5	7.1	6.8	7.8
19962	878596	AA775257	65.1	37.0	36.0	33.0	22.0	7.4	6.0	7.6	7.8
15356	239611	H79533	123.6	37.0	36.0	33.0	22.0	7.4	7.1	6.4	7.7
5969	325160	W48780	142.6	36.0	36.0	34.0	22.0	7.4	10.0	6.2	6.9
4748	505059	AA151025	90.8	37.0	37.0	37.0	21.0	7.4	6.6	8.8	7.4
8552	489519	AA099251	44.9	35.0	31.0	27.0	24.0	7.4	7.4	6.2	7.6
6343	51363	H22699	244.2	37.0	34.0	33.0	21.0	7.2	6.3	8.8	7.2
12636	1492230	AA875933	130.1	35.0	35.0	30.0	22.0	7.2	9.1	6.6	6.8
11367	52339	H23389	34.9	36.0	35.0	34.0	21.0	7.2	5.9	5.2	8.0
26894	1636447	AA999901	169.0	37.0	37.0	34.0	24.0	7.1	5.2	5.0	8.1
5008	139009	R62662	995.7	35.0	34.0	31.0	21.0	7.1	7.3	8.8	6.6
30	768561	AA425102	117.3	36.0	36.0	33.0	20.0	7.1	6.4	10.0	6.6
15790	796152	AA461390	107.2	36.0	35.0	34.0	20.0	7.1	7.3	7.6	6.9
18970	502177	AA126989	35.6	37.0	35.0	32.0	20.0	7.1	6.4	7.4	7.2
4896	139957	R64048	128.5	37.0	37.0	35.0	19.0	7.0	7.4	7.6	6.8
11954	288807	N79421	99.7	35.0	34.0	30.0	21.0	7.0	5.0	7.4	7.5
19861	855422	AA664020	68.2	36.0	34.0	32.0	20.0	7.0	6.1	3.2	8.0
13138	950450	AA599094	111.5	36.0	35.0	31.0	20.0	7.0	5.0	3.2	8.3
10920	250654	H95959	1562.0	34.0	33.0	29.0	21.0	6.9	6.7	4.6	7.4
5556	713145	AA282906	104.1	37.0	35.0	32.0	19.0	6.9	5.3	8.8	7.0
2699	45542	H08561	242.1	37.0	36.0	35.0	18.0	6.8	7.4	7.6	6.5
7632	841415	AA491501	282.8	37.0	33.0	31.0	19.0	6.8	6.1	6.0	7.2
3252	841664	AA487560	135.3	33.0	33.0	31.0	20.0	6.8	5.3	5.2	7.5
24459	470035	AA029185	67.8	37.0	37.0	37.0	21.0	6.6	7.6	5.5	6.5
20047	430558	AA677716	71.7	37.0	37.0	36.0	16.0	6.6	7.4	7.4	6.2
897	35828	R14663	36.8	36.0	35.0	27.0	18.0	6.5	6.3	6.2	6.7
18623	416374	W86202	237.5	37.0	34.0	31.0	17.0	6.5	3.1	5.2	7.7
5056	767851	AA418811	78.7	36.0	35.0	32.0	17.0	6.5	5.4	4.8	7.2
12183	78844	T46871	21.1	32.0	29.0	27.0	20.0	6.5	4.6	3.8	7.6
3563	754358	AA436142	62.2	36.0	36.0	34.0	16.0	6.4	6.0	5.2	6.8
7423	245277	N72450	83.3	37.0	36.0	32.0	16.0	6.4	5.4	6.0	6.8
13809	811955	AA490630	57.5	37.0	37.0	37.0	15.0	6.4	5.7	5.2	6.9
5014	547247	AA085318	103.9	35.0	31.0	27.0	18.0	6.4	3.9	3.8	7.6
11276	433567	AA701652	40.9	36.0	34.0	27.0	17.0	6.4	7.3	6.0	6.2
8936	549933	AA102526	96.5	37.0	35.0	35.0	15.0	6.3	7.4	6.4	6.0
22217	266135	N21633	75.7	37.0	34.0	29.0	16.0	6.3	5.1	6.2	6.6
938	150466	H01788	51.6	36.0	36.0	29.0	16.0	6.3	6.3	8.8	5.8
4739	760299	AA425947	136.2	37.0	36.0	32.0	15.0	6.3	6.4	5.2	6.4
20183	151067	H02039	73.0	37.0	37.0	31.0	15.0	6.3	9.0	5.0	5.8
18423	1472689	AA873159	395.7	35.0	34.0	26.0	17.0	6.3	5.4	7.4	6.3
22115	148650	H12722	38.6	37.0	37.0	37.0	14.0	6.3	7.4	4.0	6.4
27116	1572196	AA931725	120.3	36.0	34.0	32.0	21.0	6.2	5.0	2.5	7.3
8952	310406	N98591	55.3	37.0	35.0	30.0	15.0	6.2	7.4	4.6	6.2
2264	809719	AA455496	143.6	36.0	35.0	31.0	15.0	6.2	7.4	8.8	5.3
1182	811740	AA463610	89.6	37.0	34.0	30.0	15.0	6.2	4.4	3.6	7.2
15238	328868	W40475	141.9	36.0	35.0	29.0	15.0	6.1	3.0	7.6	6.7
1725	132373	R26526	25.1	37.0	35.0	27.0	15.0	6.1	7.4	6.2	5.7

Table 5

27309	49354	H15099	43.6	36.0	36.0	32.0	20.0	6.1	6.2	4.0	6.5
1644	782760	AA448157	89.3	31.0	29.0	25.0	18.0	6.1	7.7	4.0	6.0
4833	123087	R02529	25.2	37.0	37.0	23.0	15.0	6.1	7.1	7.2	5.5
9449	204257	H59231	214.4	35.0	31.0	26.0	16.0	6.0	4.6	4.6	6.7
17230	786657	AA451886	127.3	30.0	26.0	23.0	19.0	6.0	7.6	4.0	6.0
17509	284664	N64817	52.3	37.0	37.0	34.0	13.0	6.0	4.7	5.0	6.6
15984	753982	AA478747	80.5	36.0	35.0	30.0	14.0	6.0	6.4	8.8	5.3
14200	434768	AA701860	69.9	33.0	31.0	28.0	16.0	6.0	6.4	6.4	5.8
561	840511	AA486321	2164.8	34.0	30.0	26.0	16.0	5.9	5.1	5.0	6.4
17295	278809	N66580	32.8	37.0	36.0	32.0	13.0	5.9	5.4	6.4	6.0
10055	809473	AA443119	340.1	37.0	32.0	23.0	15.0	5.9	7.1	5.0	5.8
12126	325182	W49619	116.6	33.0	31.0	26.0	16.0	5.9	6.7	10.0	4.9
5852	41591	R59272	20.5	35.0	35.0	30.0	14.0	5.9	5.1	6.2	6.1
4779	796398	AA459941	64.6	34.0	33.0	28.0	15.0	5.9	4.9	3.8	6.6
25007	462412	AA699878	433.8	35.0	32.0	27.0	21.0	5.9	6.6	4.5	6.0
5448	23185	T77595	325.3	36.0	34.0	28.0	14.0	5.9	5.0	8.8	5.6
26134	1606557	AA995282	192.5	37.0	37.0	29.0	19.0	5.9	4.8	5.3	6.3
27376	857612	AA782333	148.1	37.0	37.0	34.0	18.0	5.8	5.2	5.5	6.1
3488	768443	AA495936	167.4	33.0	29.0	24.0	16.0	5.8	4.6	8.8	5.6
15660	1435862	AA937895	327.0	34.0	32.0	25.0	15.0	5.8	5.3	6.2	5.9
23303	1474331	AA922703	10.1	36.0	35.0	31.0	19.0	5.8	5.0	5.3	6.1
5487	71101	T47442	48.2	37.0	37.0	37.0	11.0	5.8	5.7	6.4	5.7
22201	265668	N31459	49.7	37.0	37.0	31.0	12.0	5.8	4.7	3.4	6.6
4013	122159	T98611	711.3	34.0	31.0	23.0	15.0	5.7	6.0	4.8	5.8
11775	45327	H08548	171.8	35.0	32.0	26.0	14.0	5.7	5.1	5.6	5.9
5711	246377	N74762	61.0	36.0	35.0	33.0	12.0	5.7	5.1	4.6	6.1
7434	359285	AA016234	36.2	36.0	35.0	33.0	12.0	5.7	6.6	6.0	5.4
22414	147925	R82041	28.7	33.0	29.0	23.0	22.0	5.7	7.2	5.5	5.4
10607	82225	T68892	23.0	31.0	29.0	24.0	16.0	5.7	6.1	3.0	6.1
23810	233679	H78536	65.0	37.0	37.0	35.0	17.0	5.6	7.4	4.0	5.5
14560	378488	AA777187	496.3	33.0	28.0	24.0	15.0	5.6	5.9	3.2	6.0
7523	773479	AA427899	272.4	31.0	28.0	22.0	16.0	5.6	5.7	5.2	5.7
15670	786265	AA451844	90.7	37.0	35.0	32.0	11.0	5.6	5.4	5.2	5.7
184	191664	H38240	100.1	34.0	32.0	29.0	13.0	5.6	6.4	7.6	5.0
13802	788617	AA449821	61.6	34.0	30.0	25.0	14.0	5.6	3.1	0.8	7.2
13759	436121	AA701996	50.8	30.0	26.0	25.0	16.0	5.6	4.3	3.2	6.4
4375	122159	T98611	653.5	33.0	31.0	25.0	14.0	5.6	6.1	4.8	5.6
2736	127509	R09069	127.4	37.0	35.0	30.0	11.0	5.5	3.7	5.0	6.2
178	768638	AA425352	123.1	36.0	34.0	27.0	12.0	5.5	4.6	7.6	5.4
3737	825470	AA504348	73.4	22.0	21.0	20.0	20.0	5.5	5.7	6.4	5.3
11610	782460	AA431438	283.3	36.0	33.0	27.0	12.0	5.5	4.0	7.4	5.6
16080	436094	AA700832	444.1	33.0	31.0	22.0	14.0	5.5	5.0	7.2	5.3
4714	825295	AA504535	42.4	35.0	35.0	32.0	11.0	5.5	4.7	4.4	5.9
15287	796613	AA461456	136.8	35.0	31.0	23.0	13.0	5.5	7.0	4.8	5.2
15275	768271	AA424813	76.7	37.0	36.0	31.0	10.0	5.4	4.6	5.2	5.7
615	151896	H03208	29.6	23.0	21.0	20.0	19.0	5.4	4.3	4.8	5.9
5253	201757	R99935	61.2	37.0	36.0	30.0	10.0	5.4	5.4	4.0	5.7
26170	1499940	AA885609	33.9	36.0	35.0	32.0	17.0	5.4	7.4	6.8	4.6
2855	81289	T60048	228.3	35.0	30.0	27.0	12.0	5.4	5.6	4.6	5.5
1798	204545	H58644	101.0	35.0	32.0	24.0	12.0	5.4	4.1	6.2	5.5
16444	1486083	AA936768	24.2	37.0	36.0	22.0	11.0	5.4	5.1	4.8	5.5
8435	629906	AA219099	52.2	36.0	36.0	30.0	10.0	5.4	4.1	4.8	5.8
12351	594323	AA169202	15.6	23.0	22.0	22.0	18.0	5.4	5.4	6.0	5.2
15929	757143	AA443936	34.1	36.0	35.0	25.0	11.0	5.4	3.1	4.0	6.2
1361	292515	N68465	148.0	35.0	34.0	27.0	11.0	5.3	4.4	4.8	5.7
21338	1474174	AA936799	163.0	34.0	30.0	21.0	13.0	5.3	5.3	6.0	5.2
2314	341328	W58009	126.6	36.0	36.0	29.0	10.0	5.3	7.0	5.0	4.9

Table 5

102	753620	AA479428	72.3	37.0	37.0	32.0	9.0	5.3	6.6	6.2	4.8
3590	840878	AA482228	454.0	30.0	25.0	22.0	15.0	5.3	8.6	7.2	4.0
9085	309893	N94487	795.4	31.0	28.0	22.0	14.0	5.3	4.6	6.8	5.2
9469	882506	AA676458	62.7	37.0	37.0	24.0	10.0	5.3	5.6	4.4	5.4
9332	257422	N39926	50.2	37.0	34.0	27.0	10.0	5.3	5.4	6.2	5.0
13382	785701	AA449333	204.7	35.0	29.0	22.0	12.0	5.2	4.9	5.0	5.4
1634	839623	AA490039	84.4	30.0	29.0	26.0	13.0	5.2	5.4	5.6	5.1
26459	323599	W44452	123.6	34.0	34.0	26.0	18.0	5.2	6.6	7.0	4.5
4007	840818	AA486239	167.5	33.0	28.0	20.0	13.0	5.2	5.6	3.8	5.4
3936	359982	AA035669	128.2	33.0	29.0	25.0	12.0	5.2	3.7	7.2	5.2
15910	784285	AA447503	73.9	33.0	29.0	25.0	12.0	5.2	4.1	1.6	6.2
7436	845477	AA644211	48.6	35.0	35.0	21.0	11.0	5.2	4.9	6.0	5.1
26307	460258	AA677602	219.4	35.0	35.0	28.0	17.0	5.2	6.2	5.0	4.9
24875	1035588	AA780270	11.5	25.0	23.0	23.0	23.0	5.1	6.0	5.0	4.9
17661	823850	AA490456	145.7	34.0	32.0	24.0	11.0	5.1	5.3	3.0	5.5
14549	813628	AA453662	217.3	36.0	32.0	20.0	11.0	5.1	5.0	4.0	5.4
8739	376298	AA041185	108.3	35.0	33.0	27.0	10.0	5.1	6.0	3.8	5.2
13134	796266	AA461128	58.4	37.0	36.0	26.0	9.0	5.1	3.4	3.2	6.0
6448	41432	R56916	24.9	37.0	35.0	33.0	8.0	5.1	4.6	5.2	5.3
3271	196214	R92577	11.2	24.0	21.0	19.0	17.0	5.1	5.7	6.4	4.7
16948	306829	W24091	50.6	37.0	37.0	31.0	8.0	5.1	5.4	5.2	5.0
5326	131016	R23287	67.8	35.0	31.0	28.0	10.0	5.1	4.0	5.0	5.4
13669	282144	N51883	285.1	32.0	29.0	23.0	12.0	5.1	3.6	8.8	4.8
11571	505076	AA149854	46.5	37.0	35.0	31.0	8.0	5.1	5.7	3.4	5.2
18946	489755	AA099554	35.0	34.0	33.0	27.0	10.0	5.1	5.0	6.0	4.9
22557	24392	T78769	72.1	24.0	23.0	23.0	23.0	5.1	6.0	5.0	4.8
13325	69002	T54298	81.6	37.0	31.0	28.0	9.0	5.1	3.1	3.2	6.0
9770	782730	AA447978	35.0	33.0	32.0	29.0	10.0	5.1	5.6	6.4	4.6
794	44477	H07071	51.8	32.0	30.0	20.0	12.0	5.0	5.3	5.6	4.8
5515	897806	AA598526	252.5	35.0	33.0	22.0	10.0	5.0	3.4	5.4	5.4
18706	42070	R60402	176.6	32.0	29.0	26.0	11.0	5.0	4.4	5.8	5.0
22771	448016	AA702786	29.8	23.0	23.0	23.0	23.0	5.0	6.0	5.0	4.7
22394	121881	T97363	35.9	23.0	23.0	23.0	23.0	5.0	6.0	5.0	4.7
22410	122138	T98491	95.6	23.0	23.0	23.0	23.0	5.0	6.0	5.0	4.7
22398	147651	R81901	29.9	23.0	23.0	23.0	23.0	5.0	6.0	5.0	4.7
22462	344949	W76238	41.0	23.0	23.0	23.0	23.0	5.0	6.0	5.0	4.7
24611	435956	AA701967	106.9	23.0	23.0	23.0	23.0	5.0	6.0	5.0	4.7
27602	448068	AA702678	24.0	23.0	23.0	23.0	23.0	5.0	6.0	5.0	4.7
24873	854721	AA630157	12.1	23.0	23.0	23.0	23.0	5.0	6.0	5.0	4.7
4620	202535	H53339	357.1	33.0	28.0	18.0	12.0	5.0	7.6	4.0	4.4
8355	238886	H67188	271.4	35.0	22.0	20.0	12.0	5.0	5.4	5.2	4.8
14004	488207	AA055908	46.9	35.0	33.0	21.0	10.0	5.0	4.4	2.8	5.6
5846	810331	AA464152	166.6	34.0	31.0	24.0	10.0	4.9	3.3	2.2	6.0
8308	47432	H11092	47.1	37.0	33.0	22.0	9.0	4.9	6.0	3.4	5.0
16673	843098	AA488676	184.0	31.0	27.0	21.0	12.0	4.9	3.0	5.4	5.4
4230	234736	H77651	68.4	33.0	32.0	29.0	9.0	4.9	5.1	8.8	4.0
3968	46916	H09996	7.8	33.0	31.0	24.0	10.0	4.9	5.0	6.0	4.6
9606	491764	AA150502	7.4	23.0	23.0	21.0	15.0	4.9	5.4	4.8	4.7
3681	144881	R78586	356.3	34.0	30.0	20.0	10.0	4.8	5.3	3.6	4.9
4782	712604	AA281932	143.1	35.0	32.0	28.0	8.0	4.8	4.1	5.0	5.0
17073	839081	AA488732	227.2	35.0	30.0	24.0	9.0	4.8	3.1	3.6	5.5
5810	32609	R43734	101.7	37.0	30.0	20.0	9.0	4.8	4.0	4.2	5.2
5074	813823	AA447781	128.8	33.0	32.0	26.0	9.0	4.8	4.6	7.4	4.4
25038	1502650	AA894648	7.9	23.0	23.0	23.0	22.0	4.8	4.8	5.0	4.7
2448	85840	T72089	133.0	28.0	24.0	19.0	13.0	4.8	7.4	4.0	4.2
3866	357031	W93163	57.7	37.0	35.0	20.0	8.0	4.8	4.3	3.6	5.2
484	214162	H77766	265.2	33.0	26.0	18.0	11.0	4.8	7.7	3.8	4.1

Table 5

4472	195127	R91220	13.8	35.0	32.0	26.0	8.0	4.8	6.0	3.8	4.6
4670	812048	AA455969	212.1	31.0	28.0	19.0	11.0	4.7	5.0	6.2	4.4
3567	784772	AA478543	61.4	34.0	29.0	24.0	9.0	4.7	5.3	3.8	4.8
21069	898098	AA598796	59.0	27.0	24.0	19.0	13.0	4.7	3.7	5.6	4.8
569	49164	H16637	56.4	33.0	28.0	21.0	10.0	4.7	5.1	4.2	4.7
22450	124025	R02789	14.1	23.0	22.0	22.0	22.0	4.7	6.0	5.0	4.3
6367	245990	N76834	676.1	31.0	29.0	17.0	11.0	4.7	6.7	4.0	4.3
20202	878545	AA775874	1247.3	26.0	21.0	17.0	14.0	4.7	4.7	4.4	4.8
23849	878714	AA775384	59.2	36.0	36.0	35.0	13.0	4.7	4.0	5.5	4.7
5649	246620	N53133	591.5	30.0	26.0	21.0	11.0	4.7	3.6	6.0	4.7
5756	491113	AA137109	72.6	36.0	34.0	31.0	6.0	4.7	4.3	3.8	5.0
2414	843248	AA488635	135.9	31.0	29.0	21.0	10.0	4.6	5.1	6.0	4.2
1664	297392	N80129	352.4	33.0	28.0	17.0	10.0	4.6	6.7	4.2	4.1
12279	744647	AA621315	150.9	35.0	29.0	24.0	8.0	4.6	2.6	3.2	5.5
4012	277015	N39262	20.3	37.0	34.0	27.0	6.0	4.6	4.7	4.0	4.7
5414	244307	N54794	15.1	37.0	35.0	20.0	7.0	4.6	5.1	5.2	4.4
173	208001	H60548	375.5	36.0	29.0	21.0	8.0	4.6	4.0	4.8	4.7
4725	247117	N57872	205.9	32.0	28.0	18.0	10.0	4.6	6.7	4.0	4.1
12241	784168	AA432103	105.8	31.0	24.0	18.0	11.0	4.6	1.7	5.6	5.2
24975	462325	AA705516	13.4	23.0	23.0	23.0	21.0	4.6	4.8	3.5	4.7
16308	128058	R09728	46.6	36.0	35.0	26.0	6.0	4.6	3.9	3.2	5.0
3583	781738	AA431631	38.7	36.0	34.0	27.0	6.0	4.6	3.1	3.0	5.3
1939	120881	T96082	112.7	37.0	32.0	20.0	7.0	4.5	5.9	4.8	4.1
10370	126513	R06746	30.7	28.0	27.0	19.0	11.0	4.5	4.4	5.4	4.4
14340	243410	N48138	63.4	36.0	34.0	20.0	7.0	4.5	3.0	3.0	5.3
8155	782701	AA447610	27.0	35.0	24.0	14.0	10.0	4.5	5.0	4.4	4.4
26584	823655	AA496988	107.7	36.0	36.0	31.0	13.0	4.5	5.0	3.8	4.6
5060	809992	AA454852	297.6	32.0	27.0	16.0	10.0	4.5	5.4	5.6	4.0
7170	263013	H99816	209.0	33.0	31.0	22.0	8.0	4.5	6.1	5.6	3.8
6639	375716	AA033742	38.9	37.0	32.0	19.0	7.0	4.5	4.1	5.0	4.5
2791	827110	T73535	221.3	35.0	33.0	28.0	6.0	4.5	4.9	4.4	4.4
229	344282	W70189	19.6	25.0	17.0	15.0	14.0	4.5	5.3	4.8	4.2
23723	461351	AA699782	77.6	36.0	36.0	29.0	13.0	4.5	3.6	2.5	5.1
10828	491367	AA148793	95.4	32.0	28.0	25.0	8.0	4.5	6.6	3.0	4.2
17614	38347	R35921	48.8	36.0	34.0	23.0	6.0	4.5	5.0	6.0	4.0
20460	449044	AA777400	22.1	30.0	24.0	15.0	11.0	4.5	5.0	5.8	4.0
8120	357278	W93592	36.0	32.0	28.0	19.0	9.0	4.5	4.4	3.2	4.7
10697	78041	T61343	60.7	31.0	25.0	18.0	10.0	4.5	2.7	6.0	4.6
15712	471725	AA035477	83.9	36.0	36.0	27.0	5.0	4.5	3.1	3.2	5.1
6178	303139	W19519	36.0	36.0	31.0	20.0	7.0	4.5	2.6	6.0	4.7
20175	151055	H02230	139.6	32.0	26.0	20.0	9.0	4.4	2.0	3.4	5.3
19770	281908	N51859	72.6	34.0	34.0	26.0	6.0	4.4	5.6	6.4	3.7
8940	283315	N45318	25.8	35.0	31.0	15.0	8.0	4.4	4.3	5.6	4.2
25040	1554279	AA931267	7.3	22.0	22.0	22.0	21.0	4.4	4.0	3.5	4.7
2436	85634	T62048	255.3	31.0	25.0	22.0	9.0	4.4	5.6	3.8	4.2
17028	121436	T97457	64.7	31.0	25.0	16.0	10.0	4.4	2.3	2.8	5.3
2723	44975	H08820	61.7	30.0	25.0	18.0	10.0	4.4	3.4	5.6	4.4
15124	211804	H71883	37.8	35.0	32.0	19.0	7.0	4.4	3.7	2.2	5.0
26654	307029	N89671	1016.9	33.0	31.0	26.0	15.0	4.4	4.2	5.0	4.3
3641	840788	AA486145	1067.5	28.0	24.0	16.0	11.0	4.4	3.4	5.0	4.5
10193	486591	AA042990	89.6	36.0	35.0	25.0	5.0	4.4	4.0	5.0	4.4
17562	171916	H18963	24.8	35.0	29.0	9.0	9.0	4.4	5.9	3.6	4.1
2117	205993	H60954	15.3	22.0	19.0	15.0	14.0	4.4	4.6	4.6	4.3
12615	43759	H05544	13.2	21.0	20.0	16.0	14.0	4.4	4.3	4.6	4.4
6643	428721	AA004638	141.8	26.0	21.0	17.0	12.0	4.4	7.1	3.6	3.8
5507	72778	T50828	248.5	35.0	33.0	22.0	6.0	4.4	3.4	4.2	4.6
14399	359610	AA011061	37.6	37.0	35.0	22.0	5.0	4.4	5.3	3.2	4.3

Table 5

8553	345123	W76453	47.3	36.0	33.0	19.0	6.0	4.3	3.6	4.4	4.5
4717	307231	N93428	21.2	36.0	34.0	18.0	6.0	4.3	3.4	5.0	4.4
25291	436769	AA703079	1137.1	32.0	27.0	24.0	16.0	4.3	4.4	4.3	4.3
6656	447509	AA702254	161.8	31.0	27.0	22.0	8.0	4.3	2.6	4.8	4.7
5163	753381	AA410260	94.4	36.0	33.0	24.0	5.0	4.3	4.1	3.6	4.5
3802	309583	W30772	73.5	32.0	29.0	24.0	7.0	4.3	5.1	7.4	3.4
20985	397488	AA701075	58.0	36.0	34.0	29.0	4.0	4.3	4.3	3.6	4.4
15422	773443	AA426022	36.0	37.0	37.0	30.0	3.0	4.3	4.7	3.4	4.4
19454	824109	AA490798	36.5	35.0	30.0	23.0	6.0	4.3	5.4	4.8	3.9
8947	377731	AA056232	54.2	34.0	33.0	22.0	6.0	4.3	3.0	4.2	4.7
8692	68988	T53773	15.1	33.0	31.0	26.0	6.0	4.3	2.6	5.4	4.6
15904	1048694	AA620607	32.9	36.0	35.0	22.0	5.0	4.3	4.3	2.8	4.6
24055	743773	AA634308	64.6	37.0	36.0	34.0	11.0	4.3	4.0	3.8	4.5
24933	178137	H47015	2280.8	33.0	31.0	23.0	15.0	4.3	4.2	5.0	4.2
5918	684661	AA251800	105.8	36.0	36.0	26.0	4.0	4.3	3.6	5.2	4.3
4509	289288	N68998	77.2	21.0	18.0	14.0	14.0	4.3	4.7	4.0	4.2
5277	366389	AA025807	222.2	20.0	17.0	17.0	14.0	4.3	5.7	4.4	3.8
5502	759873	AA423944	49.5	35.0	33.0	25.0	5.0	4.3	3.9	5.2	4.2
15279	796388	AA456147	48.9	35.0	35.0	23.0	5.0	4.3	3.0	5.0	4.5
12863	346119	W77928	6.7	22.0	20.0	16.0	13.0	4.3	6.0	4.8	3.7
420	124824	R01139	403.3	24.0	20.0	18.0	12.0	4.3	4.9	4.8	4.0
7505	51221	H19245	13.4	37.0	32.0	16.0	6.0	4.3	5.1	4.6	4.0
2408	897880	AA598637	181.3	30.0	25.0	18.0	9.0	4.2	4.0	5.8	4.0
9176	70500	T48941	60.5	36.0	35.0	26.0	4.0	4.2	3.3	5.0	4.4
4822	293078	N91610	55.6	37.0	37.0	22.0	4.0	4.2	3.6	4.8	4.3
11350	377461	AA055835	115.8	33.0	32.0	22.0	6.0	4.2	4.3	3.4	4.4
11015	781007	AA446013	137.9	24.0	20.0	16.0	12.0	4.2	4.9	4.4	4.0
4327	789012	AA452981	37.0	36.0	35.0	25.0	4.0	4.2	4.7	4.4	4.0
4481	308682	W25202	25.7	17.0	16.0	16.0	15.0	4.2	4.3	4.8	4.1
10104	362483	AA018780	301.8	34.0	31.0	20.0	6.0	4.2	3.9	3.2	4.5
17612	235882	H52325	158.0	33.0	26.0	21.0	7.0	4.2	5.4	4.0	3.9
15123	504253	AA132065	141.2	35.0	34.0	21.0	5.0	4.2	3.3	3.6	4.6
18930	489631	AA101875	141.1	29.0	21.0	16.0	10.0	4.2	5.4	0.4	4.6
4932	291255	N72215	40.6	33.0	28.0	19.0	7.0	4.2	4.0	4.6	4.2
12232	796777	AA461166	23.2	33.0	28.0	13.0	8.0	4.2	4.9	5.8	3.7
669	244764	N54338	29.8	21.0	15.0	14.0	14.0	4.2	4.6	4.0	4.1
16434	726830	AA398335	65.1	34.0	30.0	21.0	6.0	4.2	2.4	2.4	5.0
1338	898305	AA598830	62.5	27.0	24.0	17.0	10.0	4.2	5.0	3.8	4.0
25374	1635920	AI017640	27.8	35.0	34.0	25.0	13.0	4.2	4.2	5.0	4.0
5154	32231	R42815	79.5	29.0	26.0	16.0	9.0	4.2	4.7	5.8	3.7
6764	22374	T73987	67.3	34.0	31.0	19.0	6.0	4.2	4.4	4.8	4.0
5730	296568	W00794	81.6	35.0	31.0	23.0	5.0	4.2	5.3	3.2	4.0
17645	823811	AA490388	59.5	33.0	30.0	22.0	6.0	4.2	4.3	5.2	3.9
21882	685801	AA255695	7.1	24.0	18.0	16.0	12.0	4.2	2.6	3.6	4.7
17171	1055278	AA621478	22.5	35.0	33.0	21.0	5.0	4.2	6.4	3.8	3.6
17108	37986	R61395	13.2	34.0	30.0	14.0	7.0	4.2	4.3	4.4	4.1
4250	589115	AA143201	169.4	30.0	21.0	12.0	10.0	4.1	3.6	3.8	4.4
15410	796263	AA461136	75.7	33.0	29.0	16.0	7.0	4.1	4.6	2.6	4.3
2071	840600	AA488027	206.2	31.0	25.0	17.0	8.0	4.1	3.1	4.4	4.3
13390	785703	AA449334	150.1	34.0	28.0	20.0	6.0	4.1	4.4	5.0	3.8
2509	127119	R08032	18.0	19.0	16.0	14.0	14.0	4.1	5.4	4.4	3.7
2652	347702	W81617	133.5	21.0	17.0	15.0	13.0	4.1	4.6	4.4	3.9
1345	244147	N51018	13.9	16.0	15.0	15.0	15.0	4.1	4.3	4.0	4.1
11251	144849	R78530	136.7	33.0	28.0	21.0	6.0	4.1	2.4	3.6	4.6
1365	125788	R07637	54.3	18.0	16.0	15.0	14.0	4.1	5.6	4.0	3.7
15378	796262	AA461127	30.8	34.0	33.0	26.0	4.0	4.1	2.9	2.8	4.7
2484	839991	AA490172	764.4	26.0	22.0	16.0	10.0	4.1	4.9	3.2	4.0



Table 5

15179	786609	AA478481	117.8	34.0	29.0	23.0	5.0	4.1	3.7	5.0	4.0
9867	32889	R43701	77.2	28.0	22.0	18.0	9.0	4.1	2.4	1.6	5.0
2133	201819	H48233	69.2	19.0	14.0	14.0	14.0	4.1	4.6	4.4	3.8
1932	668442	AA243828	61.2	33.0	31.0	23.0	5.0	4.1	3.7	4.8	4.0
21128	384257	AA702104	18.1	37.0	37.0	21.0	3.0	4.1	4.6	3.6	4.0
1021	244329	N75729	33.4	17.0	16.0	16.0	14.0	4.1	5.4	4.0	3.7
10594	277507	N48751	29.7	37.0	35.0	23.0	3.0	4.1	3.9	3.4	4.2
26317	186234	H29723	49.6	37.0	37.0	32.0	10.0	4.0	4.0	3.8	4.1
16372	796650	AA460542	205.6	32.0	25.0	18.0	7.0	4.0	3.1	3.8	4.3
12612	1472775	AA872420	51.4	33.0	28.0	25.0	5.0	4.0	5.6	5.2	3.4
585	129585	R16539	224.2	33.0	27.0	19.0	6.0	4.0	5.9	2.6	3.8
15606	290199	N92167	77.1	31.0	30.0	20.0	6.0	4.0	5.1	3.4	3.8
16724	687297	AA235224	43.1	37.0	34.0	16.0	4.0	4.0	3.3	3.4	4.3
15187	42008	R60711	47.3	33.0	29.0	23.0	5.0	4.0	2.6	2.8	4.6
589	143306	R74169	51.1	18.0	14.0	14.0	14.0	4.0	4.3	4.4	3.8
14071	812967	AA464601	57.9	35.0	34.0	26.0	3.0	4.0	3.1	3.2	4.4
18247	754021	AA480026	108.4	17.0	16.0	14.0	14.0	4.0	5.0	4.0	3.7
2774	51543	H20759	18.4	37.0	33.0	17.0	4.0	4.0	4.3	2.8	4.2
7241	46611	H10008	7.5	30.0	28.0	18.0	7.0	4.0	2.9	5.0	4.1
3272	207098	H48502	307.8	17.0	16.0	14.0	14.0	4.0	4.7	4.6	3.7
23732	745296	AA625574	484.8	30.0	30.0	22.0	15.0	4.0	2.8	2.5	4.6
13668	664975	AA194833	152.4	26.0	23.0	18.0	9.0	4.0	4.4	3.6	3.9
20333	868472	AA634261	157.0	29.0	27.0	20.0	7.0	4.0	3.4	3.6	4.2
2197	365098	AA025112	137.4	32.0	29.0	18.0	6.0	4.0	2.4	3.4	4.5
7921	344139	W69790	64.3	34.0	32.0	23.0	4.0	4.0	4.1	2.8	4.2
12579	38569	R51493	11.3	34.0	30.0	19.0	5.0	4.0	2.9	1.6	4.8
4109	207107	H48677	15.6	17.0	15.0	14.0	14.0	4.0	5.0	4.0	3.7
3652	248535	N59766	43.7	17.0	15.0	14.0	14.0	4.0	4.3	4.0	3.9
14259	280758	N50556	1302.6	28.0	24.0	18.0	8.0	3.9	4.4	5.6	3.5
3607	840384	AA485773	317.3	30.0	26.0	18.0	7.0	3.9	3.6	4.6	3.9
17623	1473274	AA877166	292.7	30.0	25.0	19.0	7.0	3.9	5.3	4.4	3.5
3118	340630	W56189	144.7	30.0	25.0	19.0	7.0	3.9	3.4	7.2	3.4
7743	490995	AA136707	115.8	31.0	28.0	20.0	6.0	3.9	5.9	5.6	3.1
13630	838736	AA457744	64.7	35.0	30.0	22.0	4.0	3.9	2.7	3.6	4.4
13824	344720	W74668	98.6	33.0	29.0	15.0	6.0	3.9	3.9	3.0	4.2
164	760224	AA425139	46.1	36.0	32.0	18.0	4.0	3.9	3.7	3.4	4.1
1536	810846	AA458953	29.4	29.0	17.0	11.0	10.0	3.9	4.7	1.8	4.2
1154	34773	R19952	22.0	34.0	28.0	20.0	5.0	3.9	4.7	4.2	3.7
3741	470061	AA029041	23.6	17.0	14.0	14.0	14.0	3.9	4.3	4.0	3.8
9086	757873	AA442853	73.5	28.0	21.0	15.0	9.0	3.9	4.3	3.4	4.0
14188	1412412	AA845015	15.1	37.0	34.0	14.0	4.0	3.9	3.3	3.2	4.3
5668	487117	AA045385	19.9	30.0	21.0	17.0	8.0	3.9	2.4	4.0	4.4
12596	1472735	AA872383	301.2	26.0	23.0	16.0	9.0	3.9	6.6	3.8	3.2
5398	810017	AA455222	68.7	36.0	35.0	26.0	2.0	3.9	3.7	5.0	3.8
17470	897731	AA598995	70.5	25.0	20.0	15.0	10.0	3.9	5.0	0.4	4.3
16063	1475633	AA872001	139.6	35.0	29.0	22.0	4.0	3.9	3.7	3.2	4.1
95	364921	AA024656	54.6	16.0	15.0	14.0	14.0	3.9	4.3	4.0	3.8
4570	325365	W52272	38.9	36.0	35.0	32.0	1.0	3.9	4.0	5.2	3.6
27748	969844	AA663826	1687.3	31.0	28.0	24.0	14.0	3.9	4.2	2.8	4.1
26393	153646	R48843	239.3	28.0	25.0	22.0	16.0	3.9	5.2	2.5	3.8
22887	461307	AA699870	90.8	35.0	31.0	26.0	12.0	3.9	3.6	5.0	3.7
18071	627351	AA190380	126.0	31.0	28.0	18.0	6.0	3.9	1.7	8.6	3.6
10942	268778	N36599	182.9	28.0	24.0	16.0	8.0	3.9	3.1	4.2	4.0
1247	110467	T89391	71.8	35.0	34.0	28.0	2.0	3.9	3.0	5.0	3.9
9067	731308	AA416759	70.6	25.0	23.0	17.0	9.0	3.9	3.3	4.8	3.9
4597	243878	N45263	49.1	37.0	37.0	33.0	0.0	3.9	3.7	4.0	3.9
4438	295985	N67039	44.9	34.0	29.0	23.0	4.0	3.9	3.7	5.0	3.7

Table 5

1353	240694	H78135	37.8	36.0	33.0	27.0	2.0	3.9	3.0	5.0	3.9
613	108395	T77840	31.3	16.0	14.0	14.0	14.0	3.9	4.6	4.4	3.6
653	144916	R78509	21.4	16.0	14.0	14.0	14.0	3.9	4.3	4.4	3.7
17923	75644	T58462	58.8	33.0	29.0	19.0	5.0	3.9	4.9	2.8	3.8
9087	46241	H09739	5.4	26.0	23.0	21.0	8.0	3.9	3.7	2.2	4.3
1785	292207	N68163	75.0	19.0	14.0	14.0	13.0	3.9	7.1	0.4	3.7
2939	243403	N33589	10.4	16.0	14.0	14.0	14.0	3.9	4.9	4.0	3.6
12669	767843	AA418808	20.6	15.0	15.0	15.0	14.0	3.9	4.3	4.0	3.8
8691	786680	AA451895	551.6	31.0	23.0	16.0	7.0	3.9	3.0	2.4	4.4
10507	278687	N62924	321.3	33.0	28.0	19.0	5.0	3.9	2.9	3.4	4.2
13984	260696	H97597	146.6	37.0	35.0	22.0	2.0	3.9	4.0	3.6	3.9
2940	183120	H42967	33.4	20.0	16.0	15.0	12.0	3.9	5.0	3.6	3.6
13523	282283	N52675	29.2	37.0	37.0	20.0	2.0	3.9	3.4	3.4	4.1
11757	340657	W56771	22.9	30.0	27.0	14.0	7.0	3.9	3.3	0.0	4.8
18302	1031568	AA609304	8.6	20.0	18.0	13.0	12.0	3.9	4.9	1.0	4.2
2410	68103	T52893	368.0	25.0	22.0	22.0	8.0	3.8	5.1	5.2	3.2
3994	767202	AA424584	84.8	32.0	29.0	19.0	5.0	3.8	6.1	6.0	2.8
3037	242642	H94977	45.5	15.0	14.0	14.0	14.0	3.8	4.6	4.0	3.6
2560	167076	R89700	21.2	27.0	27.0	25.0	6.0	3.8	3.6	3.4	4.0
2189	121275	T96731	41.8	15.0	14.0	14.0	14.0	3.8	4.3	4.4	3.6
12671	44361	H06118	30.3	15.0	14.0	14.0	14.0	3.8	4.3	4.0	3.7
5973	210646	H64260	14.3	15.0	14.0	14.0	14.0	3.8	4.3	4.4	3.6
9197	50007	H16843	9.8	31.0	26.0	12.0	7.0	3.8	1.4	3.4	4.6
23842	233870	H67804	73.0	30.0	30.0	23.0	14.0	3.8	4.2	2.8	3.9
11681	309929	W24047	35.0	34.0	33.0	22.0	3.0	3.8	4.3	5.0	3.4
4368	191882	H38799	28.7	37.0	31.0	18.0	3.0	3.8	3.1	3.4	4.1
10708	46860	H10356	19.6	34.0	31.0	24.0	3.0	3.8	4.0	3.4	3.8
24542	377018	AA057784	9.6	33.0	29.0	23.0	13.0	3.8	4.6	5.3	3.3
7274	949939	AA599187	771.0	27.0	24.0	14.0	8.0	3.8	2.9	4.4	3.9
5095	204614	H57011	140.3	29.0	25.0	21.0	6.0	3.8	4.4	2.4	3.9
17907	298965	N71160	240.5	14.0	14.0	14.0	14.0	3.8	4.3	4.0	3.6
4530	128457	R10138	55.2	34.0	30.0	18.0	4.0	3.8	3.4	4.6	3.7
21721	263341	N20003	49.2	36.0	33.0	23.0	2.0	3.8	3.1	2.8	4.2
4136	323474	W45623	25.5	29.0	25.0	15.0	7.0	3.8	2.3	4.2	4.1
2973	207255	H59609	22.5	14.0	14.0	14.0	14.0	3.8	4.3	4.0	3.6
15225	243347	N38960	24.1	14.0	14.0	14.0	14.0	3.8	4.3	4.0	3.6
1405	346545	W74293	37.9	14.0	14.0	14.0	14.0	3.8	4.3	4.0	3.6
12771	253241	H89292	19.9	14.0	14.0	14.0	14.0	3.8	4.3	4.0	3.6
1429	293921	N63941	14.2	14.0	14.0	14.0	14.0	3.8	4.3	4.0	3.6
783	754275	AA479287	7.2	14.0	14.0	14.0	14.0	3.8	4.3	4.0	3.6
3689	145513	R78050	5.9	14.0	14.0	14.0	14.0	3.8	4.3	4.0	3.6
13039	774446	AA446120	25.9	26.0	23.0	17.0	8.0	3.8	2.6	3.2	4.2
3194	842989	AA488477	888.3	26.0	22.0	17.0	8.0	3.8	4.7	5.4	3.2
13126	731240	AA416817	71.7	37.0	32.0	21.0	2.0	3.8	3.0	3.0	4.1
16805	823578	AA497118	14.4	36.0	27.0	16.0	4.0	3.8	2.7	3.2	4.2
23455	51807	H22559	34.1	36.0	35.0	28.0	10.0	3.8	3.2	5.3	3.6
4746	897781	AA598517	482.2	25.0	20.0	14.0	9.0	3.7	3.7	6.4	3.2
1716	898092	AA598794	151.2	28.0	23.0	17.0	7.0	3.7	5.1	2.0	3.7
15656	461425	AA705225	216.7	28.0	24.0	16.0	7.0	3.7	5.0	5.4	3.0
6250	809374	AA456569	81.8	32.0	30.0	20.0	4.0	3.7	2.6	6.2	3.6
10733	841666	AA487561	80.1	31.0	25.0	21.0	5.0	3.7	2.9	3.6	4.0
11202	127458	R08768	47.9	26.0	26.0	24.0	6.0	3.7	3.4	4.4	3.7
16052	213607	H72200	37.4	34.0	30.0	22.0	3.0	3.7	4.1	3.4	3.7
3765	121727	T98162	32.0	34.0	31.0	15.0	4.0	3.7	2.7	3.6	4.0
2901	283398	N52772	24.9	26.0	20.0	12.0	9.0	3.7	5.6	0.6	3.8
7552	51226	H19315	24.5	28.0	27.0	19.0	6.0	3.7	6.0	3.4	3.2
2384	770462	AA427724	26.8	30.0	25.0	11.0	7.0	3.7	2.4	3.0	4.2

Table 5

5806	34888	R45102	11.8	33.0	27.0	15.0	5.0	3.7	3.3	3.8	3.8
24588	624490	AA187207	44.9	37.0	36.0	30.0	9.0	3.7	3.8	3.3	3.8
5109	70692	T49158	146.5	31.0	27.0	18.0	5.0	3.7	4.4	4.8	3.3
14002	609377	AA167130	100.2	34.0	29.0	16.0	4.0	3.7	2.9	2.8	4.1
4286	756372	AA481944	149.8	29.0	23.0	20.0	6.0	3.7	5.4	5.0	3.0
3627	840776	AA486140	106.3	34.0	29.0	16.0	4.0	3.7	3.3	2.0	4.2
3062	247616	N58145	61.7	28.0	27.0	24.0	5.0	3.7	3.6	3.0	3.9
10910	309826	W23598	75.3	32.0	26.0	17.0	5.0	3.7	3.0	1.4	4.4
4636	812105	AA456008	43.5	36.0	32.0	15.0	3.0	3.7	4.9	3.6	3.4
7856	868212	AA633901	438.8	27.0	19.0	9.0	9.0	3.7	4.3	3.6	3.5
2873	789376	AA464849	127.9	34.0	31.0	19.0	3.0	3.7	2.7	4.0	3.9
1706	840865	AA482328	96.8	30.0	24.0	16.0	6.0	3.7	2.1	3.4	4.2
7550	343987	W70234	52.7	31.0	30.0	20.0	4.0	3.7	3.0	0.6	4.5
11029	772425	AA405569	38.9	32.0	30.0	12.0	5.0	3.7	3.9	4.4	3.5
7680	40178	R53690	28.5	37.0	28.0	16.0	3.0	3.7	3.4	4.6	3.6
2141	126419	R06637	26.5	15.0	14.0	14.0	13.0	3.7	4.3	4.0	3.4
19119	506575	AA708508	67.5	33.0	31.0	27.0	2.0	3.7	3.0	1.8	4.2
3233	24884	R38995	15.7	33.0	28.0	18.0	4.0	3.7	4.1	3.8	3.5
9704	755402	AA424695	117.0	28.0	21.0	10.0	8.0	3.6	7.1	4.8	2.4
9107	624634	AA187349	81.3	33.0	31.0	20.0	3.0	3.6	2.6	3.4	4.0
7978	971372	AA683041	55.5	35.0	30.0	17.0	3.0	3.6	3.3	3.4	3.8
23505	51708	H24092	54.8	32.0	28.0	22.0	13.0	3.6	3.0	3.5	3.8
1274	843321	AA485959	488.9	26.0	22.0	18.0	7.0	3.6	4.4	3.8	3.4
4415	841698	AA488708	85.2	31.0	26.0	16.0	5.0	3.6	3.3	2.4	4.0
17581	823688	AA489636	42.6	30.0	28.0	22.0	4.0	3.6	2.6	4.6	3.7
976	154214	R53616	19.7	30.0	27.0	23.0	4.0	3.6	2.3	4.8	3.8
17671	280327	N50301	6.6	17.0	15.0	13.0	12.0	3.6	4.3	4.0	3.4
1673	33826	R44740	80.0	30.0	26.0	17.0	5.0	3.6	2.3	3.0	4.1
11753	280154	N47008	52.0	25.0	21.0	14.0	8.0	3.6	7.6	4.2	2.4
16198	784180	AA447454	56.3	31.0	27.0	14.0	5.0	3.6	1.9	2.8	4.2
13404	1461664	AA885311	29.8	36.0	32.0	17.0	2.0	3.6	3.0	4.4	3.6
4283	301122	N79484	29.1	35.0	32.0	19.0	2.0	3.6	3.4	3.4	3.7
10666	561916	AA085676	37.7	37.0	33.0	14.0	2.0	3.6	3.3	3.0	3.8
5151	774409	AA446108	189.7	23.0	19.0	14.0	9.0	3.6	3.0	3.8	3.7
21012	449384	AA777435	33.2	30.0	27.0	10.0	6.0	3.6	4.6	1.8	3.7
11763	200263	R97710	13.0	30.0	28.0	21.0	4.0	3.6	3.6	4.4	3.4
528	66336	T66832	6.6	14.0	14.0	13.0	13.0	3.6	3.3	4.0	3.6
25455	744897	AA625784	191.6	33.0	32.0	26.0	11.0	3.6	3.0	2.8	3.9
24562	222343	H86407	34.4	35.0	30.0	24.0	11.0	3.6	2.8	3.3	3.8
26899	506504	AA708613	33.0	37.0	37.0	25.0	9.0	3.6	4.0	4.0	3.4
1542	809578	AA456616	909.9	27.0	23.0	19.0	6.0	3.6	3.0	3.6	3.7
5493	26617	R39862	45.0	30.0	21.0	15.0	6.0	3.6	1.8	5.2	3.7
2913	308478	W24883	7.4	14.0	13.0	13.0	13.0	3.6	4.3	2.0	3.7
3253	208718	H63161	411.2	24.0	22.0	19.0	7.0	3.5	2.4	6.8	3.2
18090	757191	AA443966	275.4	37.0	31.0	14.0	2.0	3.5	3.9	3.0	3.6
4672	340558	W55964	116.4	26.0	24.0	19.0	6.0	3.5	4.0	5.6	3.0
7591	377048	AA057786	100.0	34.0	33.0	18.0	2.0	3.5	3.0	2.6	3.9
941	262231	H99170	48.4	31.0	26.0	19.0	4.0	3.5	2.6	3.6	3.8
16319	627039	AA190993	36.4	32.0	29.0	20.0	3.0	3.5	3.0	2.8	3.8
21855	132015	R32457	24.9	35.0	33.0	16.0	2.0	3.5	3.4	3.2	3.6
3685	156551	R73539	6.0	17.0	13.0	12.0	12.0	3.5	4.6	0.0	4.0
26939	23454	R38703	18.0	37.0	34.0	27.0	9.0	3.5	3.2	4.0	3.5
22903	461414	AA704941	64.5	36.0	36.0	27.0	9.0	3.5	3.6	3.8	3.5
7258	68605	T53297	619.1	29.0	26.0	16.0	5.0	3.5	3.9	1.4	3.8
21842	83011	T70522	585.1	19.0	15.0	11.0	11.0	3.5	4.7	4.0	3.1
7563	75059	T50370	476.4	22.0	21.0	17.0	8.0	3.5	4.3	3.8	3.2
9453	50888	H19203	317.3	27.0	23.0	17.0	6.0	3.5	4.0	3.0	3.5

Table 5

7254	324122	W46667	51.6	32.0	28.0	14.0	4.0	3.5	3.7	1.4	3.9
8295	52086	H23426	50.2	27.0	21.0	13.0	7.0	3.5	5.3	1.4	3.4
20422	897720	AA598982	20.2	27.0	19.0	15.0	7.0	3.5	5.7	4.0	2.8
13051	669379	AA236798	11.4	13.0	13.0	13.0	13.0	3.5	4.3	4.0	3.2
23313	1591622	AA983467	1778.5	29.0	26.0	20.0	14.0	3.5	4.0	5.8	2.9
4706	897567	AA497029	631.1	30.0	24.0	15.0	5.0	3.5	2.1	2.0	4.2
16447	898206	AA598595	104.6	32.0	24.0	17.0	4.0	3.5	3.3	3.4	3.6
3589	609653	AA181500	56.9	34.0	31.0	18.0	2.0	3.5	3.0	3.4	3.6
7962	220372	H86812	42.0	32.0	29.0	12.0	4.0	3.5	2.3	1.4	4.2
22521	123265	R00284	85.7	36.0	34.0	21.0	10.0	3.5	3.4	3.0	3.6
22898	362470	AA018572	19.0	35.0	32.0	25.0	10.0	3.5	3.4	3.3	3.5
22738	436420	AA699620	215.1	25.0	25.0	22.0	15.0	3.5	4.8	2.0	3.4
2810	841617	AA487466	444.1	26.0	24.0	16.0	6.0	3.5	4.9	2.4	3.3
15538	742672	AA401370	89.2	31.0	27.0	21.0	3.0	3.5	4.0	2.0	3.6
22229	858167	AA633818	87.2	34.0	28.0	20.0	2.0	3.5	3.9	3.2	3.4
15764	347498	W81668	27.5	36.0	34.0	10.0	2.0	3.5	3.3	3.2	3.6
997	242823	H94058	17.4	14.0	14.0	14.0	12.0	3.5	4.3	4.0	3.1
1172	669443	AA250730	10.4	28.0	28.0	26.0	3.0	3.5	3.7	4.4	3.2
9525	51581	H22824	6.8	33.0	27.0	11.0	4.0	3.5	2.9	4.0	3.5
6368	85614	T62031	59.1	28.0	15.0	9.0	8.0	3.5	3.3	3.4	3.5
9213	31969	R41994	21.9	28.0	21.0	15.0	6.0	3.5	4.7	5.2	2.8
6821	41698	R59281	14.9	23.0	21.0	13.0	8.0	3.5	4.3	5.4	2.8
12849	593780	AA159729	3389.2	26.0	23.0	16.0	6.0	3.4	3.0	4.0	3.4
21342	502518	AA156802	145.2	22.0	16.0	13.0	9.0	3.4	4.7	4.4	2.9
10249	45376	H07926	115.9	26.0	21.0	12.0	7.0	3.4	5.6	1.6	3.2
19178	878815	AA670422	75.3	26.0	19.0	14.0	7.0	3.4	3.9	5.2	3.0
2244	503335	AA130193	44.6	36.0	33.0	22.0	0.0	3.4	3.3	4.0	3.4
6009	470861	AA032077	54.1	18.0	14.0	11.0	11.0	3.4	4.6	1.0	3.6
5091	711918	AA282134	28.1	32.0	30.0	15.0	3.0	3.4	2.7	2.8	3.8
12157	504791	AA152346	86.9	31.0	29.0	18.0	3.0	3.4	2.0	3.0	3.9
20362	878689	AA775378	14.0	28.0	24.0	11.0	6.0	3.4	4.3	5.2	2.8
26726	344210	W69805	228.2	31.0	24.0	22.0	13.0	3.4	2.8	2.0	3.9
26808	1641991	AI018467	61.7	36.0	33.0	21.0	10.0	3.4	3.0	2.3	3.8
27089	162310	H28091	82.8	35.0	33.0	23.0	10.0	3.4	3.6	3.3	3.4
23855	884440	AA629688	37.1	37.0	36.0	22.0	9.0	3.4	4.0	3.3	3.3
20898	1470060	AA865469	1093.9	22.0	16.0	12.0	9.0	3.4	4.9	4.6	2.8
15406	742685	AA400292	83.4	33.0	29.0	19.0	2.0	3.4	2.4	3.2	3.7
17151	754378	AA436163	54.7	34.0	27.0	19.0	2.0	3.4	3.7	4.8	3.0
6222	502165	AA127293	20.2	23.0	18.0	14.0	8.0	3.4	2.0	4.6	3.6
21551	897252	AA677640	84.6	31.0	26.0	14.0	4.0	3.4	1.1	3.2	4.1
141	115292	T87078	25.1	15.0	12.0	12.0	12.0	3.4	4.3	0.4	3.8
16039	1470333	AA866113	8.3	20.0	18.0	14.0	9.0	3.4	6.1	4.0	2.5
21519	878631	AA775290	14.0	27.0	19.0	11.0	7.0	3.4	3.7	6.6	2.7
21439	431215	AA682521	5.7	32.0	25.0	13.0	4.0	3.4	2.6	5.2	3.3
1251	786607	AA478480	49.7	34.0	30.0	16.0	2.0	3.4	2.4	3.4	3.7
11696	624627	AA187351	80.8	35.0	30.0	13.0	2.0	3.4	2.6	2.4	3.8
5501	628357	AA196115	42.9	35.0	30.0	13.0	2.0	3.4	3.4	3.2	3.4
4777	264117	N20475	38.0	36.0	29.0	12.0	2.0	3.4	2.7	3.0	3.6
9181	47671	H11467	36.3	33.0	29.0	18.0	2.0	3.4	4.1	3.8	3.1
9853	198982	R95731	34.6	28.0	26.0	19.0	4.0	3.4	3.1	3.2	3.5
20261	269269	N39809	79.8	34.0	29.0	16.0	2.0	3.4	4.0	2.2	3.4
3577	840567	AA487893	300.0	30.0	23.0	17.0	4.0	3.4	4.9	4.8	2.6
7226	882510	AA676460	272.8	28.0	24.0	14.0	5.0	3.4	2.3	2.4	3.8
3160	377152	AA055102	100.7	30.0	27.0	19.0	3.0	3.4	2.6	2.8	3.7
12497	1031919	AA609749	46.2	34.0	30.0	20.0	1.0	3.4	2.7	1.4	3.9
15622	296788	W01113	56.1	31.0	28.0	22.0	2.0	3.4	3.1	3.0	3.5
7613	773685	AA433920	21.0	33.0	25.0	9.0	4.0	3.4	2.3	6.0	3.1

Table 5

2181	308633	W25169	9.5	15.0	14.0	14.0	11.0	3.4	4.3	3.2	3.1
19930	878578	AA775241	737.1	22.0	20.0	11.0	8.0	3.3	3.9	4.6	2.9
14111	785707	AA449336	162.2	29.0	22.0	13.0	5.0	3.3	2.4	3.2	3.6
3487	23831	T77281	124.1	30.0	25.0	20.0	3.0	3.3	3.3	2.8	3.4
11210	307740	N92947	57.5	30.0	30.0	21.0	2.0	3.3	3.6	2.6	3.4
14880	53122	R15892	21.0	33.0	25.0	8.0	4.0	3.3	2.6	1.0	4.0
9644	358647	W96452	18.2	35.0	19.0	10.0	4.0	3.3	2.7	2.8	3.6
3749	295140	W01674	6.9	18.0	15.0	12.0	10.0	3.3	2.9	4.4	3.2
21390	745542	AA626255	64.3	23.0	20.0	15.0	7.0	3.3	3.7	3.4	3.2
12948	742640	AA401499	9.8	16.0	13.0	12.0	11.0	3.3	4.3	4.0	2.9
23423	743727	AA629355	60.7	36.0	32.0	19.0	10.0	3.3	3.2	3.5	3.3
23597	173145	H20608	43.8	35.0	35.0	24.0	9.0	3.3	3.6	3.5	3.2
26190	1630990	AI018613	1349.7	33.0	31.0	20.0	11.0	3.3	4.2	4.3	2.9
1950	810504	AA464528	149.4	28.0	26.0	16.0	4.0	3.3	2.7	7.0	2.7
530	841308	AA487215	120.6	29.0	25.0	15.0	4.0	3.3	5.4	2.4	2.9
10751	897592	AA496836	64.7	28.0	22.0	14.0	5.0	3.3	1.9	3.8	3.6
10246	505491	AA156461	60.9	26.0	20.0	14.0	6.0	3.3	3.0	2.0	3.6
493	79502	T59245	87.7	13.0	12.0	12.0	12.0	3.3	4.3	0.4	3.6
21903	431231	AA682527	74.1	34.0	33.0	15.0	1.0	3.3	4.1	3.4	3.0
1676	950690	AA608568	40.2	32.0	27.0	13.0	3.0	3.3	3.3	4.4	3.1
1381	295923	W02557	51.5	13.0	12.0	12.0	12.0	3.3	4.6	0.0	3.6
7503	31825	R41754	9.5	33.0	27.0	11.0	3.0	3.3	3.1	4.4	3.1
2663	309864	W23847	128.7	29.0	23.0	11.0	5.0	3.3	3.4	2.6	3.4
27694	453602	AA679571	15.8	19.0	18.0	18.0	18.0	3.3	0.0	0.0	4.8
22556	512605	AA062659	16.7	33.0	32.0	24.0	10.0	3.3	2.2	2.5	3.7
23244	550141	AA102591	543.5	26.0	26.0	20.0	14.0	3.3	3.6	1.8	3.5
22893	51860	H23105	60.8	36.0	35.0	21.0	9.0	3.3	3.0	3.0	3.4
5779	204614	H57011	149.5	28.0	23.0	18.0	4.0	3.3	2.6	2.4	3.6
10872	878836	AA670429	74.0	31.0	29.0	18.0	2.0	3.3	3.1	5.0	3.0
19427	207803	H59008	63.8	33.0	26.0	17.0	2.0	3.3	2.3	2.8	3.6
576	243155	H94469	100.4	34.0	30.0	17.0	1.0	3.3	2.7	3.6	3.4
4431	137456	R39373	23.0	37.0	28.0	13.0	1.0	3.3	4.0	3.4	3.0
8168	471642	AA034939	37.2	33.0	27.0	10.0	3.0	3.3	2.9	1.4	3.8
13408	1404774	AA845432	22.3	32.0	25.0	14.0	3.0	3.3	3.7	1.6	3.5
19922	878564	AA775872	25.1	33.0	26.0	11.0	3.0	3.3	4.1	2.2	3.2
63	810551	AA464566	9.3	18.0	18.0	13.0	9.0	3.3	1.0	0.8	4.4
23228	549867	AA082474	52.1	36.0	35.0	20.0	9.0	3.3	3.2	2.0	3.5
23460	21994	T66387	15.9	37.0	32.0	15.0	10.0	3.3	2.8	2.8	3.5
23161	206838	R98307	204.9	35.0	34.0	23.0	9.0	3.3	3.4	3.3	3.2
5107	897971	AA598868	161.4	30.0	23.0	19.0	3.0	3.2	2.6	2.8	3.5
10552	486436	AA044390	187.5	30.0	25.0	17.0	3.0	3.2	2.6	3.2	3.4
5135	789147	AA450123	83.9	31.0	26.0	14.0	3.0	3.2	4.3	5.8	2.4
19555	324674	W47106	59.6	33.0	30.0	24.0	0.0	3.2	2.9	4.0	3.2
12121	252515	H87471	33.6	35.0	28.0	10.0	2.0	3.2	3.0	6.0	2.8
11751	68894	T53508	49.3	29.0	20.0	12.0	5.0	3.2	2.9	2.2	3.6
13421	768008	AA418744	42.8	33.0	29.0	19.0	1.0	3.2	1.6	2.4	3.9
16048	432194	AA679414	37.9	32.0	27.0	11.0	3.0	3.2	2.3	4.2	3.3
11776	46180	H09455	22.2	34.0	27.0	13.0	2.0	3.2	2.9	3.2	3.4
7520	52992	R15443	10.1	29.0	23.0	15.0	4.0	3.2	4.7	3.8	2.7
12482	292982	N69100	32.0	15.0	12.0	12.0	11.0	3.2	6.3	4.0	2.2
2885	201288	R99562	5.3	15.0	13.0	11.0	11.0	3.2	4.3	0.6	3.5
17156	530954	AA070530	28.3	26.0	17.0	9.0	7.0	3.2	2.6	3.0	3.5
15166	796885	AA463200	561.4	23.0	16.0	15.0	7.0	3.2	4.6	2.8	2.9
19882	773322	AA425552	43.1	32.0	24.0	13.0	3.0	3.2	3.3	2.8	3.3
4103	233688	H79023	29.3	36.0	34.0	13.0	0.0	3.2	3.0	3.2	3.3
21777	590242	AA155952	50.5	29.0	26.0	17.0	3.0	3.2	2.6	2.8	3.5
21262	306513	W31245	40.2	35.0	26.0	11.0	2.0	3.2	2.7	2.8	3.4

Table 5

11381	345935	W72201	23.8	35.0	32.0	11.0	1.0	3.2	2.9	3.0	3.4
7371	178860	H49519	60.6	30.0	18.0	11.0	5.0	3.2	4.4	2.0	3.1
17106	429678	AA011593	63.4	29.0	24.0	19.0	3.0	3.2	2.9	3.8	3.2
25592	75886	T59478	129.0	31.0	28.0	18.0	12.0	3.2	2.2	2.5	3.6
16111	1475797	AA872122	2975.4	27.0	20.0	14.0	5.0	3.2	3.0	2.0	3.5
19234	858293	AA633997	284.0	22.0	18.0	14.0	7.0	3.2	3.0	5.0	2.9
18225	345601	W72043	105.9	27.0	20.0	14.0	5.0	3.2	4.4	2.4	3.0
1188	193383	H48097	86.2	36.0	26.0	14.0	1.0	3.2	3.9	3.6	2.9
11503	511647	AA126947	71.7	35.0	26.0	16.0	1.0	3.2	2.7	2.6	3.4
9846	769959	AA430540	202.1	27.0	25.0	15.0	4.0	3.2	3.7	0.8	3.5
16348	785571	AA449438	86.2	33.0	27.0	19.0	1.0	3.2	2.3	3.6	3.4
16891	53265	R16157	32.6	25.0	24.0	20.0	4.0	3.2	2.1	3.0	3.5
6335	324383	W51760	23.9	26.0	24.0	18.0	4.0	3.2	3.9	2.0	3.2
15715	42864	R61877	14.6	34.0	32.0	18.0	0.0	3.2	3.3	3.6	3.1
129	26418	R13546	19.7	32.0	26.0	16.0	2.0	3.2	2.3	2.2	3.6
19698	898338	AA598844	8.5	32.0	24.0	12.0	3.0	3.2	4.7	2.6	2.9
19872	824510	AA490522	44.3	23.0	14.0	10.0	8.0	3.2	2.9	2.8	3.4
21318	280934	N50834	8.4	30.0	23.0	11.0	4.0	3.2	4.3	3.0	2.9
3078	230205	H93459	28.4	25.0	21.0	17.0	5.0	3.2	3.0	3.6	3.2
24030	1573305	AA953973	68.7	33.0	27.0	20.0	11.0	3.2	4.2	5.0	2.5
7204	594630	AA171764	171.3	29.0	25.0	16.0	3.0	3.2	2.4	5.2	3.0
18230	843041	AA488557	84.8	32.0	29.0	18.0	1.0	3.2	3.0	4.4	3.0
15351	1469377	AA863469	74.5	32.0	26.0	15.0	2.0	3.2	2.1	2.2	3.6
6135	308497	W24894	44.0	34.0	31.0	12.0	1.0	3.2	4.0	3.0	3.0
15309	813697	AA453769	37.8	37.0	31.0	6.0	1.0	3.2	2.9	3.2	3.2
9041	740941	AA478298	88.6	27.0	24.0	15.0	4.0	3.2	4.9	4.6	2.4
3195	487118	AA045320	47.5	33.0	31.0	14.0	1.0	3.2	3.0	5.0	2.8
9443	855624	AA664101	109.2	33.0	26.0	13.0	2.0	3.2	2.6	2.2	3.5
4020	40751	R56301	6.7	33.0	26.0	13.0	2.0	3.2	3.3	4.0	3.0
9752	756405	AA482119	60.7	28.0	24.0	19.0	3.0	3.2	2.6	3.6	3.2
25783	462603	AA704965	126.8	29.0	26.0	16.0	13.0	3.1	3.6	1.3	3.4
8826	877835	AA625634	1652.6	24.0	18.0	14.0	6.0	3.1	2.9	4.6	2.9
2402	81129	T69983	318.6	30.0	26.0	18.0	2.0	3.1	2.6	2.8	3.4
7626	251826	H96654	315.6	30.0	20.0	12.0	4.0	3.1	5.0	2.2	2.8
1723	774071	AA442040	136.6	30.0	21.0	11.0	4.0	3.1	2.3	2.4	3.5
1458	244637	N54914	192.6	26.0	20.0	14.0	5.0	3.1	3.7	3.8	2.8
6746	435036	AA700054	87.9	33.0	30.0	14.0	1.0	3.1	3.0	3.6	3.1
5167	840944	AA486533	179.9	27.0	23.0	15.0	4.0	3.1	3.1	2.0	3.4
18050	838446	AA457594	138.5	28.0	23.0	13.0	4.0	3.1	4.3	4.6	2.5
21534	746080	AA417595	57.9	37.0	31.0	11.0	0.0	3.1	3.1	2.8	3.2
716	809645	AA454681	62.1	34.0	27.0	15.0	1.0	3.1	2.6	3.0	3.3
6473	50842	H17550	26.1	27.0	24.0	14.0	4.0	3.1	1.6	2.4	3.7
3603	530814	AA070226	189.6	24.0	19.0	13.0	6.0	3.1	3.4	3.8	2.9
9441	78353	T56221	131.7	25.0	16.0	8.0	7.0	3.1	3.6	2.8	3.1
1971	325062	W46972	18.0	35.0	21.0	13.0	2.0	3.1	3.4	4.6	2.8
18268	752754	AA482455	23.3	18.0	10.0	10.0	10.0	3.1	4.3	4.4	2.6
18019	43828	H05769	20.6	31.0	24.0	12.0	3.0	3.1	2.4	3.4	3.3
5480	788185	AA453916	9.2	31.0	23.0	13.0	3.0	3.1	2.7	3.8	3.1
8737	52879	H28555	7.1	30.0	20.0	12.0	4.0	3.1	2.4	4.0	3.2
17651	27333	R37079	13.0	34.0	30.0	12.0	1.0	3.1	2.6	2.4	3.4
10270	869450	AA680244	1780.7	20.0	14.0	13.0	8.0	3.1	3.7	3.2	2.9
2460	142788	R71093	211.3	25.0	17.0	12.0	6.0	3.1	4.3	3.0	2.8
2440	843121	AA486518	185.8	25.0	18.0	11.0	6.0	3.1	4.3	3.2	2.8
10217	878833	AA670438	145.9	31.0	23.0	12.0	3.0	3.1	4.1	3.4	2.8
3244	898286	AA598974	65.3	25.0	23.0	18.0	4.0	3.1	2.3	4.8	3.0
16848	450060	AA703392	79.7	28.0	25.0	16.0	3.0	3.1	2.9	4.4	2.9
21953	413292	AA772494	32.6	35.0	28.0	11.0	1.0	3.1	3.7	2.8	3.0

Table 5

2565	246661	N57723	60.1	19.0	14.0	9.0	9.0	3.1	5.0	0.0	3.2
16110	36367	R62460	32.8	33.0	30.0	19.0	0.0	3.1	2.4	2.6	3.4
5576	140000	R64066	14.9	28.0	22.0	7.0	5.0	3.1	3.1	3.6	3.0
6751	51644	H20662	16.7	31.0	31.0	10.0	2.0	3.1	4.1	3.2	2.8
8793	24718	R38917	16.9	25.0	18.0	11.0	6.0	3.1	4.6	4.6	2.4
10062	275798	R93279	44.7	35.0	30.0	15.0	0.0	3.1	2.7	3.6	3.1
8315	67110	T56745	13.8	29.0	19.0	8.0	5.0	3.1	2.0	2.4	3.6
22793	50483	H17615	81.2	33.0	30.0	21.0	10.0	3.1	4.4	1.5	3.1
5864	209246	H63976	148.8	28.0	24.0	16.0	3.0	3.1	2.4	3.6	3.2
3448	323371	W42848	59.1	29.0	27.0	17.0	2.0	3.1	2.9	4.0	3.0
19979	324717	W47363	55.5	35.0	29.0	15.0	0.0	3.1	2.6	3.4	3.2
4019	325365	W52272	39.7	35.0	30.0	8.0	1.0	3.1	2.3	3.4	3.2
6278	323028	W42512	30.8	35.0	28.0	10.0	1.0	3.1	2.9	4.4	2.9
10640	33715	R44078	13.9	25.0	22.0	12.0	5.0	3.1	3.9	2.0	3.1
11223	429642	AA011638	14.6	34.0	26.0	8.0	2.0	3.1	3.7	2.8	3.0
513	824074	AA491227	12.6	13.0	11.0	11.0	11.0	3.1	0.0	4.0	3.8
22904	971279	AA682905	834.3	28.0	26.0	16.0	13.0	3.1	1.8	2.5	3.5
24953	133988	R28548	77.6	34.0	29.0	25.0	9.0	3.1	2.4	3.0	3.3
522	841498	AA487370	709.7	24.0	20.0	15.0	5.0	3.1	4.3	1.6	3.0
8034	629896	AA219045	153.6	31.0	24.0	15.0	2.0	3.1	2.7	4.2	2.9
2811	212165	H68845	190.3	25.0	21.0	12.0	5.0	3.1	1.7	3.4	3.4
5268	191569	H37832	117.4	15.0	13.0	10.0	10.0	3.1	4.3	4.0	2.5
1313	714106	AA284669	79.8	31.0	27.0	18.0	1.0	3.1	4.3	2.0	2.9
4018	774471	AA446251	93.1	29.0	25.0	18.0	2.0	3.1	2.3	0.0	3.9
466	770670	AA476272	63.2	33.0	29.0	18.0	0.0	3.1	2.6	3.6	3.1
4396	110503	T82817	36.0	35.0	26.0	11.0	1.0	3.1	3.1	2.6	3.1
4001	813254	AA456376	33.0	33.0	27.0	8.0	2.0	3.1	2.7	2.8	3.2
10402	417318	W89128	23.0	27.0	25.0	16.0	3.0	3.1	2.3	1.8	3.5
9196	34345	R44163	25.2	24.0	23.0	18.0	4.0	3.1	2.1	3.0	3.3
7135	50882	H18535	67.0	33.0	26.0	9.0	2.0	3.1	2.9	2.4	3.2
8271	50582	H17037	8.8	31.0	13.0	8.0	5.0	3.1	1.9	3.2	3.4
4595	809611	AA458487	18.1	22.0	16.0	11.0	7.0	3.1	4.7	2.0	2.8
22806	448344	AA777893	110.1	33.0	30.0	19.0	10.0	3.0	3.4	3.5	2.8
5157	843174	AA488373	91.6	33.0	28.0	12.0	1.0	3.0	2.7	2.4	3.2
5859	667883	AA258396	30.4	34.0	28.0	10.0	1.0	3.0	2.3	3.4	3.2
790	770794	AA437346	21.7	34.0	28.0	10.0	1.0	3.0	2.9	3.6	3.0
1276	788285	AA450009	18.1	36.0	30.0	10.0	0.0	3.0	3.0	3.4	3.0
17889	47481	H11732	44.1	31.0	25.0	13.0	2.0	3.0	3.3	3.6	2.8
13271	726684	AA399320	416.4	22.0	19.0	12.0	6.0	3.0	3.9	3.0	2.8
1668	841641	AA487486	105.9	24.0	18.0	15.0	5.0	3.0	3.4	3.2	2.8
803	42739	R61674	110.1	26.0	21.0	14.0	4.0	3.0	3.1	1.2	3.3
14589	813645	AA453677	116.7	32.0	27.0	14.0	1.0	3.0	2.4	3.2	3.1
15641	325513	W52248	380.5	22.0	17.0	8.0	7.0	3.0	4.6	5.0	2.2
21322	1473300	AA916323	132.0	21.0	16.0	11.0	7.0	3.0	2.9	4.8	2.7
15743	898162	AA598538	80.0	28.0	23.0	14.0	3.0	3.0	2.6	2.4	3.2
14317	784100	AA446635	54.8	34.0	28.0	15.0	0.0	3.0	2.7	2.8	3.1
9812	69378	T58702	55.0	35.0	26.0	9.0	1.0	3.0	2.4	3.2	3.1
5067	28098	R13243	44.8	28.0	23.0	14.0	3.0	3.0	2.1	1.8	3.5
14759	840984	AA486666	47.1	33.0	25.0	8.0	2.0	3.0	1.9	2.4	3.4
6345	469235	AA026170	22.5	32.0	20.0	9.0	3.0	3.0	2.9	4.6	2.7
15331	768432	AA495904	27.7	35.0	26.0	9.0	1.0	3.0	3.4	2.6	3.0
1325	809394	AA456585	237.2	23.0	21.0	14.0	5.0	3.0	2.6	3.6	3.0
6441	32681	R43541	17.5	32.0	30.0	11.0	1.0	3.0	2.3	2.6	3.3
20842	49389	H15539	11.6	28.0	25.0	12.0	3.0	3.0	4.3	2.8	2.7
14432	753368	AA411682	24.8	19.0	10.0	9.0	9.0	3.0	3.7	3.2	2.8
27637	120707	T95670	126.4	33.0	27.0	21.0	10.0	3.0	2.2	5.5	2.7
24612	725117	AA404732	14.3	18.0	18.0	18.0	17.0	3.0	4.8	5.0	2.1

Table 5

22406	147841	R81500	11.5	18.0	18.0	18.0	17.0	3.0	6.0	3.5	2.1
16773	293635	N63807	221.3	25.0	22.0	14.0	4.0	3.0	5.4	3.0	2.3
1604	754538	AA406285	105.6	33.0	26.0	12.0	1.0	3.0	3.3	2.4	3.0
14738	754026	AA478756	76.8	34.0	30.0	12.0	0.0	3.0	2.6	2.8	3.1
4976	795877	AA460152	68.1	30.0	26.0	18.0	1.0	3.0	2.3	2.6	3.2
1333	827132	AA521232	130.6	25.0	21.0	9.0	5.0	3.0	2.3	3.2	3.1
6747	743190	AA399997	33.4	28.0	26.0	16.0	2.0	3.0	2.1	3.8	3.0
11288	382564	AA069132	36.5	32.0	23.0	11.0	2.0	3.0	4.9	2.6	2.5
17323	284542	N71828	37.9	31.0	27.0	9.0	2.0	3.0	2.4	2.4	3.2
18904	826355	AA521036	59.0	34.0	27.0	15.0	0.0	3.0	2.1	3.2	3.2
1037	197765	R93767	22.3	11.0	11.0	11.0	11.0	3.0	0.0	4.0	3.6
12943	726904	AA398427	10.7	11.0	11.0	11.0	11.0	3.0	4.3	4.0	2.4
422	122428	T99280	105.6	26.0	25.0	15.0	3.0	3.0	4.3	2.4	2.7
24880	69644	T53592	42.0	36.0	33.0	14.0	9.0	3.0	3.0	2.3	3.1
25131	1584628	AA972352	39.5	34.0	31.0	20.0	9.0	3.0	3.8	3.3	2.7
18954	490729	AA133155	143.5	23.0	15.0	12.0	6.0	2.9	3.7	4.4	2.4
16473	767313	AA418544	116.0	30.0	22.0	15.0	2.0	2.9	2.4	1.8	3.3
3625	71116	T47454	34.5	36.0	28.0	9.0	0.0	2.9	2.9	2.2	3.1
13670	951102	AA620463	21.8	35.0	30.0	9.0	0.0	2.9	2.6	2.8	3.1
149	810899	AA459292	17.7	21.0	14.0	11.0	7.0	2.9	2.3	4.2	2.9
11668	487793	AA044658	18.4	28.0	22.0	7.0	4.0	2.9	2.3	2.4	3.2
2822	85093	T74699	38.7	22.0	14.0	9.0	7.0	2.9	3.0	2.8	3.0
11680	970590	AA683077	311.5	26.0	18.0	15.0	4.0	2.9	3.6	0.8	3.2
5478	484535	AA036974	12.5	23.0	19.0	8.0	6.0	2.9	3.6	3.4	2.7
4403	826138	AA521337	15.3	23.0	12.0	9.0	7.0	2.9	3.4	2.8	2.8
22571	1472797	AA873182	284.9	27.0	25.0	21.0	12.0	2.9	2.6	2.0	3.2
471	41929	R59061	164.7	26.0	21.0	11.0	4.0	2.9	2.3	2.6	3.2
1294	526184	AA076645	148.6	27.0	19.0	11.0	4.0	2.9	3.3	2.4	2.9
9520	593840	AA166810	96.7	31.0	22.0	12.0	2.0	2.9	2.3	5.0	2.7
3526	199945	R97113	42.6	32.0	27.0	11.0	1.0	2.9	3.0	2.8	2.9
2691	204148	H61901	36.2	31.0	25.0	9.0	2.0	2.9	2.3	4.0	2.9
3709	307532	W21081	66.5	16.0	12.0	10.0	9.0	2.9	4.3	1.2	2.9
4769	243202	H94487	27.9	32.0	29.0	9.0	1.0	2.9	2.6	2.8	3.0
16816	448386	AA778198	49.9	35.0	28.0	10.0	0.0	2.9	3.0	2.4	3.0
8409	79503	T59256	25.5	32.0	19.0	7.0	3.0	2.9	2.0	4.4	2.9
8932	502499	AA156863	33.2	32.0	27.0	11.0	1.0	2.9	2.1	1.2	3.5
7531	797025	AA463517	17.0	27.0	25.0	11.0	3.0	2.9	2.1	1.8	3.4
3832	782503	AA432026	30.6	34.0	28.0	12.0	0.0	2.9	3.0	3.2	2.8
12092	590264	AA155942	135.4	28.0	24.0	10.0	3.0	2.9	2.6	3.0	3.0
13816	344272	W73748	35.3	30.0	21.0	9.0	3.0	2.9	2.4	2.8	3.1
13376	1388395	AA844141	33.4	24.0	22.0	14.0	4.0	2.9	2.1	2.2	3.3
13752	284220	N53534	14.5	33.0	18.0	6.0	3.0	2.9	2.6	2.8	3.0
11328	868368	AA634103	2312.3	22.0	16.0	11.0	6.0	2.9	3.3	3.6	2.6
16095	1475738	AA872704	2582.3	24.0	17.0	12.0	5.0	2.9	2.6	5.0	2.6
924	753862	AA411343	1062.8	23.0	17.0	14.0	5.0	2.9	3.7	3.2	2.6
5981	214565	H73727	698.5	26.0	18.0	13.0	4.0	2.9	1.6	2.2	3.4
21398	878652	AA670200	48.6	24.0	17.0	12.0	5.0	2.9	4.0	3.4	2.5
5101	85979	T73090	32.6	31.0	26.0	13.0	1.0	2.9	3.3	3.8	2.6
12188	51331	H20860	23.9	32.0	28.0	15.0	0.0	2.9	2.9	1.8	3.1
12672	1387760	AA838691	151.4	31.0	26.0	13.0	1.0	2.9	1.4	2.0	3.5
11343	78144	T60267	5.9	29.0	19.0	12.0	3.0	2.9	3.3	2.4	2.9
15675	42415	R60981	10.5	34.0	28.0	5.0	1.0	2.9	2.1	2.8	3.1
7185	204686	H57136	16.9	20.0	14.0	11.0	7.0	2.9	3.9	3.2	2.6
18730	85171	T71316	314.2	24.0	21.0	14.0	4.0	2.9	2.9	2.8	2.9
21437	755444	AA419048	2950.9	23.0	19.0	11.0	5.0	2.9	3.7	4.0	2.4
1574	810617	AA464743	984.6	21.0	19.0	15.0	5.0	2.9	3.3	3.2	2.7
3890	768370	AA495790	145.1	30.0	22.0	12.0	2.0	2.9	1.6	0.4	3.7



Table 5

10305	39821	R53428	51.5	23.0	16.0	8.0	6.0	2.9	1.7	4.4	2.9
2483	40562	R55105	28.2	32.0	25.0	17.0	0.0	2.9	2.4	2.6	3.0
4128	138745	R63578	22.9	30.0	27.0	13.0	1.0	2.9	2.3	4.6	2.7
20406	53276	R16165	30.3	24.0	17.0	11.0	5.0	2.9	3.0	2.6	2.9
4120	138752	R63576	13.7	28.0	22.0	10.0	3.0	2.9	2.1	2.8	3.1
5038	729942	AA398951	53.9	34.0	28.0	10.0	0.0	2.9	3.1	3.4	2.7
18092	418159	W90175	30.7	29.0	23.0	7.0	3.0	2.9	2.3	1.6	3.3
10643	47264	H10713	8.0	28.0	20.0	12.0	3.0	2.9	2.4	3.0	3.0
2441	149737	H00592	17.5	37.0	22.0	10.0	0.0	2.9	2.9	3.0	2.8
500	609332	AA167223	11.1	22.0	11.0	9.0	7.0	2.9	3.7	2.6	2.7
23398	1572233	AA931758	51.1	33.0	31.0	19.0	9.0	2.9	3.0	1.5	3.1
86	49591	H15215	103.3	28.0	20.0	17.0	2.0	2.8	2.3	3.0	3.0
13528	730035	AA469920	100.4	26.0	21.0	14.0	3.0	2.8	1.7	2.2	3.3
9982	838639	AA457223	81.0	27.0	22.0	11.0	3.0	2.8	1.9	5.0	2.7
6235	346583	W79544	54.0	26.0	23.0	12.0	3.0	2.8	3.3	1.6	3.0
7327	502664	AA125792	36.1	31.0	27.0	10.0	1.0	2.8	3.3	2.6	2.8
2391	46154	H09066	10.3	23.0	14.0	9.0	6.0	2.8	3.0	2.8	2.8
7554	41648	R52795	13.8	31.0	20.0	11.0	2.0	2.8	2.7	2.4	3.0
19430	815794	AA485214	86.6	29.0	19.0	10.0	3.0	2.8	2.9	2.8	2.8
2480	781050	AA446453	280.6	28.0	17.0	13.0	3.0	2.8	2.3	2.4	3.0
19394	506369	AA709414	88.4	34.0	29.0	7.0	0.0	2.8	2.1	2.0	3.2
10674	842760	AA486182	24.0	30.0	27.0	11.0	1.0	2.8	2.6	3.0	2.8
8373	79899	T61456	15.4	23.0	18.0	10.0	5.0	2.8	2.9	4.6	2.4
22210	288983	N59816	14.4	35.0	23.0	11.0	0.0	2.8	2.1	2.4	3.1
4821	122982	R00332	6.1	13.0	12.0	12.0	9.0	2.8	3.4	0.4	3.1
12292	298603	W04928	23.1	35.0	21.0	7.0	1.0	2.8	3.0	2.8	2.8
18750	193916	R83833	7.9	31.0	22.0	8.0	2.0	2.8	2.7	1.8	3.0
9814	460470	AA677687	17.0	31.0	20.0	10.0	2.0	2.8	1.7	2.4	3.2
11971	300323	W07276	26.4	30.0	26.0	12.0	1.0	2.8	2.1	1.8	3.2
18692	361363	AA017706	93.5	28.0	22.0	8.0	3.0	2.8	3.4	3.2	2.6
16792	754157	AA478775	21.9	35.0	29.0	5.0	0.0	2.8	2.3	2.8	3.0
7003	322175	W37778	58.5	35.0	23.0	11.0	0.0	2.8	2.6	2.4	3.0
8876	324307	W47641	26.8	33.0	24.0	8.0	1.0	2.8	2.9	2.2	2.9
12515	1031737	AA609605	8.0	17.0	15.0	13.0	7.0	2.8	2.9	2.8	2.8
26452	745525	AA626248	25.5	37.0	28.0	12.0	9.0	2.8	2.6	3.0	2.8
22331	1643514	AI023507	11.1	18.0	18.0	18.0	16.0	2.8	4.8	5.0	1.8
3585	612274	AA180912	540.7	22.0	18.0	11.0	5.0	2.8	3.1	4.6	2.3
11758	460403	AA677534	125.3	24.0	20.0	11.0	4.0	2.8	2.0	3.6	2.8
10728	897301	AA488288	101.9	27.0	20.0	11.0	3.0	2.8	2.1	3.0	2.9
13690	771290	AI732747	49.8	32.0	26.0	7.0	1.0	2.8	2.6	3.0	2.8
18237	595162	AA173755	59.1	32.0	28.0	11.0	0.0	2.8	2.1	2.4	3.0
12896	753071	AA436592	55.5	33.0	25.0	6.0	1.0	2.8	2.9	3.4	2.6
3321	35191	R45235	62.0	26.0	19.0	14.0	3.0	2.8	2.1	2.2	3.1
19869	855610	AA664237	76.9	27.0	22.0	15.0	2.0	2.8	2.1	2.2	3.1
17511	753907	AA479351	35.6	30.0	24.0	7.0	2.0	2.8	2.7	3.0	2.8
2945	232946	H75599	35.2	35.0	24.0	9.0	0.0	2.8	3.0	1.6	3.0
4958	193182	H47327	35.5	30.0	25.0	12.0	1.0	2.8	2.3	3.2	2.8
5561	46182	H09614	23.5	27.0	23.0	14.0	2.0	2.8	2.1	2.6	3.0
10337	47418	H11151	22.0	23.0	18.0	9.0	5.0	2.8	1.6	4.4	2.8
20623	151477	H02837	22.7	33.0	18.0	7.0	2.0	2.8	3.6	2.8	2.6
4485	243149	H94466	9.2	15.0	10.0	9.0	9.0	2.8	4.9	0.0	2.8
968	140337	R65618	12.0	22.0	13.0	10.0	6.0	2.8	4.0	2.8	2.4
182	898221	AA598611	7.1	30.0	22.0	9.0	2.0	2.8	2.6	3.8	2.6
14856	48226	H11519	20.7	33.0	26.0	11.0	0.0	2.8	2.4	2.6	2.9
11702	782576	AA447514	20.0	33.0	21.0	10.0	1.0	2.8	2.6	2.6	2.9
912	897596	AA496880	787.5	20.0	18.0	14.0	5.0	2.8	3.3	2.8	2.6
16487	898229	AA598626	91.8	23.0	18.0	14.0	4.0	2.8	2.0	2.2	3.1

Table 5

1314	897563	AA497027	75.1	32.0	25.0	13.0	0.0	2.8	1.9	1.4	3.3
816	129146	R10947	67.3	26.0	20.0	18.0	2.0	2.8	3.1	2.8	2.6
6190	428936	AA004975	37.3	17.0	12.0	8.0	8.0	2.8	2.1	1.4	3.2
5043	30170	R42530	37.2	28.0	24.0	10.0	2.0	2.8	2.0	3.8	2.8
2992	810272	AA464062	27.7	34.0	26.0	8.0	0.0	2.8	3.3	3.2	2.5
6758	884867	AA669443	217.3	19.0	16.0	12.0	6.0	2.8	2.9	4.4	2.4
2704	768246	AA424938	30.0	32.0	28.0	10.0	0.0	2.8	2.3	2.8	2.9
19186	40026	R53942	51.4	31.0	20.0	8.0	2.0	2.8	2.7	2.4	2.8
18522	489535	AA098867	27.0	30.0	24.0	18.0	0.0	2.8	2.9	2.6	2.8
23374	1568391	AA953747	94.2	32.0	29.0	20.0	9.0	2.8	2.6	0.0	3.4
26631	281892	N54117	23.7	37.0	28.0	11.0	9.0	2.8	2.6	3.0	2.7
22722	50764	H17363	12.1	35.0	29.0	14.0	9.0	2.8	3.0	3.0	2.6
19954	878798	AA670408	1527.6	23.0	18.0	13.0	4.0	2.7	2.9	4.6	2.3
9081	745138	AA626698	516.5	23.0	19.0	12.0	4.0	2.7	4.6	2.2	2.3
20991	430894	AA678226	207.0	31.0	21.0	12.0	1.0	2.7	2.0	3.0	2.9
2801	526657	AA133129	141.0	28.0	24.0	9.0	2.0	2.7	3.9	2.2	2.5
5498	714453	AA293306	72.2	33.0	26.0	9.0	0.0	2.7	3.0	2.4	2.7
4916	810928	AA459536	51.2	29.0	28.0	15.0	0.0	2.7	2.1	2.2	3.0
8822	133454	R27457	57.5	29.0	23.0	8.0	2.0	2.7	2.1	3.2	2.8
13110	266093	N21553	31.4	35.0	27.0	4.0	0.0	2.7	1.9	3.2	2.9
1277	81417	T60223	44.8	34.0	25.0	8.0	0.0	2.7	2.4	3.2	2.7
17238	786663	AA451888	32.9	32.0	25.0	6.0	1.0	2.7	2.3	1.8	3.0
6642	293339	N91754	20.9	33.0	20.0	9.0	1.0	2.7	2.7	3.0	2.7
3413	244310	N54788	11.8	33.0	23.0	12.0	0.0	2.7	3.3	3.8	2.4
18335	813260	AA456379	5.2	18.0	13.0	10.0	7.0	2.7	3.0	4.6	2.3
22123	148352	H13074	15.6	31.0	20.0	7.0	2.0	2.7	2.1	1.6	3.1
2772	547058	AA082943	151.0	24.0	20.0	15.0	3.0	2.7	2.0	2.6	3.0
13547	262313	H99459	19.7	36.0	21.0	8.0	0.0	2.7	2.6	2.0	2.9
3954	842785	AA486209	82.4	29.0	20.0	17.0	1.0	2.7	2.3	2.6	2.9
16119	1476065	AA873060	387.1	22.0	19.0	8.0	5.0	2.7	2.7	2.8	2.7
24289	132702	R25612	323.3	27.0	25.0	15.0	12.0	2.7	1.8	0.5	3.4
25012	1541827	AA928142	29.2	34.0	31.0	13.0	9.0	2.7	2.4	3.3	2.7
2676	1031744	AA609598	119.3	24.0	18.0	10.0	4.0	2.7	2.7	5.4	2.2
11439	627277	AA190749	61.7	27.0	23.0	11.0	2.0	2.7	2.9	4.6	2.3
16433	767289	AA418460	46.1	31.0	25.0	13.0	0.0	2.7	1.7	3.0	2.9
8999	250095	H97146	37.5	32.0	22.0	8.0	1.0	2.7	2.6	3.6	2.6
3285	292452	N68424	73.4	12.0	11.0	11.0	9.0	2.7	5.7	0.0	2.4
11144	344036	W70258	22.7	30.0	21.0	7.0	2.0	2.7	3.9	2.2	2.5
15474	730971	AA421125	18.9	33.0	22.0	6.0	1.0	2.7	1.7	2.0	3.1
13252	43865	H05552	8.7	28.0	17.0	9.0	3.0	2.7	1.6	3.4	2.9
11547	490556	AA100695	17.6	21.0	13.0	9.0	6.0	2.7	4.3	2.4	2.3
9893	40608	R55705	6.3	18.0	15.0	13.0	6.0	2.7	3.4	5.2	2.0
5800	665774	AA194246	78.8	30.0	23.0	11.0	1.0	2.7	1.9	2.6	3.0
3237	49352	H15504	142.3	27.0	21.0	13.0	2.0	2.7	2.0	2.8	2.9
12999	815575	AA456850	52.7	31.0	23.0	15.0	0.0	2.7	2.1	2.6	2.9
18804	451546	AA707400	45.0	33.0	27.0	7.0	0.0	2.7	2.3	2.6	2.8
26568	812187	AA456055	50.1	27.0	25.0	20.0	11.0	2.7	2.4	0.8	3.2
960	135083	R33917	197.5	22.0	16.0	9.0	5.0	2.7	1.7	2.2	3.0
10731	626358	AA188766	63.6	22.0	17.0	8.0	5.0	2.7	1.6	4.4	2.6
17015	504705	AA142888	62.3	31.0	24.0	13.0	0.0	2.7	2.3	3.0	2.7
15216	753743	AA406546	49.8	33.0	27.0	6.0	0.0	2.7	2.9	3.2	2.5
19492	435890	AA701411	68.8	23.0	21.0	14.0	3.0	2.7	3.0	2.0	2.7
8499	782547	AA431796	34.7	31.0	18.0	7.0	2.0	2.7	1.9	3.8	2.7
17145	73609	T55756	58.7	30.0	24.0	9.0	1.0	2.7	2.1	1.6	3.0
13425	754550	AA411276	32.6	31.0	26.0	11.0	0.0	2.7	1.3	3.0	3.0
8534	782835	AA448277	40.2	29.0	22.0	13.0	1.0	2.7	2.4	1.2	3.0
20866	854079	AA669042	36.2	15.0	13.0	8.0	8.0	2.7	4.1	2.4	2.3

Table 5

3565	898096	AA598795	56.4	29.0	22.0	13.0	1.0	2.7	1.9	2.4	3.0
5179	897626	AA496780	137.0	26.0	16.0	13.0	3.0	2.7	2.0	2.4	2.9
16514	897518	AA497093	16.9	32.0	24.0	5.0	1.0	2.7	2.0	2.8	2.8
8282	502622	AA126708	151.9	31.0	21.0	10.0	1.0	2.7	2.1	2.6	2.8
3578	45099	H05140	14.2	29.0	16.0	7.0	3.0	2.7	2.3	2.4	2.8
12071	810711	AA457700	35.5	32.0	24.0	11.0	0.0	2.7	2.4	2.4	2.8
9008	469969	AA030046	113.9	30.0	20.0	13.0	1.0	2.7	2.7	2.2	2.8
7728	265853	N20989	24.6	32.0	17.0	6.0	2.0	2.7	2.6	2.6	2.7
20801	853367	AA663309	32.0	31.0	26.0	11.0	0.0	2.7	2.9	2.4	2.7
14160	431376	AA706974	22.5	23.0	9.0	8.0	6.0	2.7	2.7	2.8	2.6
19890	878130	AA775415	277.2	19.0	13.0	11.0	6.0	2.6	3.7	2.0	2.5
2786	843352	AA489343	188.8	26.0	21.0	13.0	2.0	2.6	3.1	2.2	2.6
2434	740457	AA478194	38.5	27.0	24.0	8.0	2.0	2.6	2.0	3.8	2.6
14543	767405	AA418097	58.5	34.0	24.0	6.0	0.0	2.6	2.6	3.0	2.6
359	42706	R67197	20.7	25.0	17.0	7.0	4.0	2.6	1.3	3.4	2.9
1656	824340	AA489666	15.3	23.0	17.0	11.0	4.0	2.6	3.0	3.0	2.5
20067	745514	AA626237	30.2	31.0	18.0	6.0	2.0	2.6	1.3	1.4	3.3
14320	773575	AA428240	39.2	31.0	20.0	10.0	1.0	2.6	2.0	2.0	3.0
3547	809588	AA455800	53.7	26.0	24.0	10.0	2.0	2.6	1.9	2.4	2.9
6697	487082	AA045278	72.5	32.0	23.0	11.0	0.0	2.6	2.3	2.0	2.9
21474	277414	N34436	56.4	30.0	23.0	9.0	1.0	2.6	2.0	2.6	2.8
15657	767181	AA424574	29.3	34.0	24.0	6.0	0.0	2.6	2.4	2.0	2.8
9271	809533	AA456477	24.0	33.0	21.0	5.0	1.0	2.6	2.7	1.6	2.8
6474	490947	AA136756	461.1	22.0	22.0	14.0	3.0	2.6	2.1	2.6	2.8
10595	52128	H22568	20.9	28.0	24.0	12.0	1.0	2.6	2.7	1.8	2.8
4696	358850	W94647	59.8	25.0	20.0	16.0	2.0	2.6	2.3	2.6	2.8
9485	472186	AA057378	39.4	31.0	26.0	10.0	0.0	2.6	2.9	2.4	2.6
110	79712	T62547	47.3	34.0	21.0	9.0	0.0	2.6	2.7	2.8	2.6
27550	1637296	AI005519	569.4	29.0	22.0	18.0	11.0	2.6	3.0	4.0	2.3
27708	969636	AA663592	8.0	31.0	26.0	16.0	10.0	2.6	4.0	3.0	2.2
23651	1467686	AA885397	34.2	36.0	28.0	10.0	9.0	2.6	2.6	2.8	2.6
16627	322553	W15351	142.0	28.0	23.0	12.0	1.0	2.6	2.1	3.0	2.7
20612	363124	AA019209	64.8	29.0	26.0	13.0	0.0	2.6	2.4	0.0	3.2
20914	1456118	AA862434	75.3	18.0	14.0	11.0	6.0	2.6	4.3	4.4	1.8
10308	82236	T68887	57.4	32.0	24.0	9.0	0.0	2.6	2.3	3.0	2.6
15382	254029	N75199	40.7	32.0	23.0	10.0	0.0	2.6	2.0	3.0	2.7
10936	214982	H73234	40.6	34.0	23.0	6.0	0.0	2.6	2.3	3.2	2.6
20232	704519	AA279532	61.1	30.0	22.0	9.0	1.0	2.6	2.0	4.0	2.5
11670	365826	AA025819	49.7	27.0	23.0	14.0	1.0	2.6	3.6	3.8	2.1
10707	270343	N33041	11.4	31.0	15.0	8.0	2.0	2.6	3.4	2.4	2.4
10979	897950	AA598814	11.4	27.0	21.0	10.0	2.0	2.6	3.7	1.4	2.6
1357	296375	W04160	8.2	15.0	10.0	9.0	8.0	2.6	4.7	0.4	2.5
9212	32576	R43535	25.2	23.0	16.0	11.0	4.0	2.6	3.3	3.0	2.4
21524	824061	AA491222	70.6	29.0	24.0	9.0	1.0	2.6	1.6	2.4	3.0
12191	78841	T46878	58.4	29.0	22.0	11.0	1.0	2.6	2.1	1.6	3.0
523	231574	H92821	13.7	33.0	22.0	9.0	0.0	2.6	2.6	1.0	3.0
5902	774036	AA441895	157.1	30.0	26.0	11.0	0.0	2.6	1.7	2.4	2.9
19696	382649	AA069518	81.0	29.0	19.0	8.0	2.0	2.6	2.0	2.2	2.9
16096	435341	AA700736	27.1	29.0	20.0	13.0	1.0	2.6	2.0	2.2	2.9
19410	745249	AA626178	40.4	31.0	26.0	9.0	0.0	2.6	2.1	2.4	2.8
8948	897177	AA676970	652.0	29.0	24.0	15.0	0.0	2.6	2.3	2.4	2.8
14889	767075	AA424517	28.9	31.0	24.0	11.0	0.0	2.6	2.1	2.8	2.7
410	133273	R26732	37.3	33.0	25.0	6.0	0.0	2.6	2.4	2.6	2.7
6666	207550	H59725	29.3	36.0	23.0	2.0	0.0	2.6	2.9	2.4	2.6
1946	162775	H27564	99.9	29.0	23.0	16.0	0.0	2.6	2.7	2.8	2.6
25036	1554167	AA931102	32.8	34.0	25.0	16.0	9.0	2.6	3.2	1.5	2.7
23760	1031994	AA609992	27.1	36.0	27.0	10.0	9.0	2.6	2.0	2.5	2.8

Table 5

4022	786083	AA448676	88.6	25.0	21.0	13.0	2.0	2.6	2.3	3.8	2.4
15944	753946	AA479109	73.3	27.0	21.0	9.0	2.0	2.6	3.0	4.2	2.2
13765	813490	AA455566	85.3	30.0	23.0	13.0	0.0	2.6	2.0	1.4	3.0
12895	785840	AA449107	81.1	32.0	23.0	9.0	0.0	2.6	1.6	3.0	2.8
19446	824025	AA490945	48.5	26.0	20.0	12.0	2.0	2.6	3.1	4.2	2.1
1940	295798	N66942	47.6	27.0	23.0	13.0	1.0	2.6	2.3	4.2	2.4
12967	197657	R93551	41.9	31.0	23.0	11.0	0.0	2.6	2.1	3.0	2.6
2620	357373	W93568	24.3	29.0	20.0	6.0	2.0	2.6	2.3	4.2	2.4
19144	814416	AA459144	22.5	33.0	18.0	6.0	1.0	2.6	1.4	2.2	3.0
2893	327506	W32731	45.8	12.0	9.0	9.0	9.0	2.6	4.6	0.4	2.5
16599	285488	N66410	6.9	11.0	10.0	10.0	9.0	2.6	4.3	4.0	1.8
9450	853574	AA663440	24.8	18.0	9.0	9.0	7.0	2.6	3.7	2.4	2.3
14777	377296	AA055491	21.6	15.0	9.0	9.0	8.0	2.6	3.4	0.8	2.7
14032	27098	R13844	10.2	21.0	13.0	11.0	5.0	2.6	2.7	3.2	2.4
20199	151365	H02824	15.6	31.0	25.0	3.0	1.0	2.6	2.3	1.6	2.9
15247	726483	AA399269	33.0	35.0	16.0	4.0	1.0	2.6	1.9	2.4	2.8
3586	35191	R45235	65.7	27.0	17.0	13.0	2.0	2.6	2.1	2.0	2.8
11677	347661	W81546	14.0	22.0	18.0	10.0	4.0	2.6	2.0	2.6	2.8
9200	73252	T56013	39.3	30.0	20.0	10.0	1.0	2.6	2.1	2.8	2.7
6703	137984	R63129	17.0	28.0	19.0	9.0	2.0	2.6	2.3	2.8	2.6
10178	770082	AA430576	34.1	26.0	18.0	8.0	3.0	2.6	2.4	2.6	2.6
5569	206907	R98921	15.3	22.0	13.0	9.0	5.0	2.6	2.9	2.4	2.6
22513	121423	T97376	8.2	17.0	16.0	16.0	16.0	2.6	6.0	0.0	2.2
20500	449112	AA777488	1559.6	22.0	19.0	14.0	3.0	2.6	3.0	3.8	2.2
2455	162208	H25917	387.8	25.0	19.0	14.0	2.0	2.6	3.3	2.8	2.3
2817	842846	AA486280	99.6	32.0	22.0	9.0	0.0	2.6	3.0	1.4	2.7
8068	273048	N44278	42.2	29.0	26.0	11.0	0.0	2.6	2.0	3.2	2.6
10949	770059	AA427561	76.9	29.0	22.0	9.0	1.0	2.6	3.1	1.6	2.6
16168	757435	AA437224	26.9	33.0	26.0	3.0	0.0	2.6	1.7	3.0	2.7
18056	366407	AA026332	11.4	11.0	10.0	9.0	9.0	2.6	3.3	4.0	2.1
10587	45877	H08582	5.6	28.0	20.0	7.0	2.0	2.6	1.7	3.8	2.6
1498	126341	R06438	14.7	23.0	10.0	9.0	5.0	2.6	3.3	2.8	2.3
2895	130057	R20779	24.8	29.0	23.0	8.0	1.0	2.6	1.0	2.8	3.0
16783	39189	R54443	11.2	29.0	17.0	8.0	2.0	2.6	1.7	2.0	2.9
4168	291974	N73091	948.1	20.0	19.0	12.0	4.0	2.6	2.1	1.6	2.9
1622	26616	R13557	49.6	24.0	16.0	13.0	3.0	2.6	2.1	2.2	2.8
3107	203240	H54577	22.5	34.0	20.0	7.0	0.0	2.6	2.4	2.8	2.6
4308	299154	W05406	18.6	28.0	25.0	14.0	0.0	2.6	2.7	2.4	2.6
9089	302933	N90109	339.5	31.0	24.0	8.0	0.0	2.5	2.4	3.0	2.5
17063	503671	AA131421	83.7	30.0	25.0	9.0	0.0	2.5	2.3	3.0	2.5
10596	50900	H19229	66.6	24.0	17.0	11.0	3.0	2.5	4.6	3.6	1.8
17330	254310	N81158	49.4	28.0	16.0	10.0	2.0	2.5	1.7	0.8	3.1
1904	322961	W45165	40.0	31.0	25.0	7.0	0.0	2.5	2.6	3.0	2.4
12335	304927	W38647	11.7	12.0	11.0	11.0	8.0	2.5	4.3	2.0	2.2
21139	137704	R37986	13.5	31.0	18.0	8.0	1.0	2.5	3.9	1.6	2.4
5798	289666	N77779	45.6	24.0	17.0	11.0	3.0	2.5	2.6	4.0	2.2
12878	838611	AA456975	51.5	30.0	24.0	4.0	1.0	2.5	1.6	1.8	3.0
2015	52933	H29315	54.0	24.0	18.0	10.0	3.0	2.5	1.7	1.8	2.9
16914	841140	AA487020	51.3	24.0	19.0	9.0	3.0	2.5	2.0	1.8	2.8
4292	813751	AA453898	33.3	31.0	25.0	7.0	0.0	2.5	2.3	1.4	2.8
8415	626385	AA189113	77.8	31.0	27.0	5.0	0.0	2.5	1.9	2.4	2.8
14575	812033	AA455896	58.2	30.0	21.0	13.0	0.0	2.5	1.9	2.4	2.8
12255	611169	AA173378	156.3	26.0	19.0	11.0	2.0	2.5	1.9	2.6	2.7
9114	290724	N71782	31.6	30.0	21.0	7.0	1.0	2.5	2.0	2.4	2.7
6387	854760	AA630507	297.6	28.0	16.0	10.0	2.0	2.5	2.3	2.0	2.7
12394	300015	W06970	22.9	32.0	20.0	4.0	1.0	2.5	2.1	2.8	2.6
1312	141845	R70508	98.7	30.0	24.0	10.0	0.0	2.5	2.9	2.0	2.6

Table 5

5830	142122	R69356	35.8	36.0	20.0	2.0	0.0	2.5	2.4	2.8	2.5
5780	241880	H93249	35.8	30.0	19.0	9.0	1.0	2.5	2.9	2.2	2.5
23607	461707	AA682278	40.5	34.0	28.0	11.0	9.0	2.5	2.2	2.0	2.7
2027	511586	AA127116	916.7	23.0	18.0	11.0	3.0	2.5	2.1	3.2	2.5
5506	320903	W44701	464.1	28.0	26.0	11.0	0.0	2.5	2.1	3.0	2.5
9035	773260	AA425500	147.4	25.0	20.0	11.0	2.0	2.5	2.7	3.6	2.2
9798	83549	T69675	57.3	13.0	10.0	9.0	8.0	2.5	3.1	5.2	1.8
10701	796876	AA463188	43.9	23.0	21.0	8.0	3.0	2.5	1.7	4.8	2.3
6857	23275	T75414	53.0	24.0	21.0	12.0	2.0	2.5	2.9	3.0	2.3
16842	28735	R40833	23.9	30.0	21.0	6.0	1.0	2.5	2.0	4.4	2.3
18216	1031791	AA609651	31.6	29.0	20.0	3.0	2.0	2.5	1.0	1.0	3.2
10243	768292	AA495744	371.1	25.0	15.0	10.0	3.0	2.5	1.7	1.4	3.0
16526	252314	H87175	6.5	17.0	12.0	11.0	6.0	2.5	1.4	2.0	2.9
12835	743568	AA609454	25.2	29.0	15.0	8.0	2.0	2.5	1.9	1.6	2.9
4004	511521	AA126356	331.9	21.0	19.0	8.0	4.0	2.5	1.9	1.8	2.8
16166	593251	AA165400	197.9	24.0	16.0	11.0	3.0	2.5	2.0	2.0	2.8
1943	549073	AA083228	137.4	26.0	21.0	14.0	1.0	2.5	2.0	2.2	2.7
19061	714196	AA293182	104.8	25.0	22.0	15.0	1.0	2.5	2.1	2.2	2.7
8675	212188	H69148	30.7	30.0	24.0	9.0	0.0	2.5	2.0	2.6	2.6
14258	626640	AA191512	57.7	30.0	25.0	8.0	0.0	2.5	2.0	2.6	2.6
19958	826089	AA521411	63.8	22.0	16.0	9.0	4.0	2.5	2.0	2.6	2.6
4704	138991	R62651	57.6	29.0	18.0	11.0	1.0	2.5	2.6	1.8	2.6
21339	243244	H95038	7.6	26.0	20.0	9.0	2.0	2.5	2.4	2.4	2.6
3436	490615	AA126760	39.2	32.0	25.0	4.0	0.0	2.5	2.4	2.4	2.6
948	40017	R53311	145.0	22.0	18.0	13.0	3.0	2.5	2.3	2.8	2.5
19006	814773	AA454950	15.0	19.0	11.0	8.0	6.0	2.5	2.9	2.8	2.4
25549	858188	AA633866	16.6	35.0	25.0	11.0	9.0	2.5	2.0	3.3	2.5
24937	133717	R27767	57.4	32.0	27.0	15.0	9.0	2.5	2.8	2.8	2.4
6460	262864	N24437	1139.4	24.0	16.0	10.0	3.0	2.5	2.9	4.8	1.9
2201	307882	W21373	173.0	22.0	17.0	7.0	4.0	2.5	1.6	1.2	3.0
8401	773469	AA427887	68.9	26.0	18.0	10.0	2.0	2.5	1.6	4.4	2.4
11666	278053	N63478	21.6	15.0	12.0	8.0	7.0	2.5	3.3	3.4	2.1
16480	1371759	AA856739	50.3	27.0	21.0	11.0	1.0	2.5	2.0	3.8	2.4
16069	813843	AA453729	48.9	29.0	22.0	12.0	0.0	2.5	2.3	3.0	2.4
8343	46289	H09623	5.5	26.0	20.0	8.0	2.0	2.5	3.4	2.6	2.2
11394	759173	AA436943	14.7	19.0	15.0	9.0	5.0	2.5	3.7	0.8	2.5
16800	754192	AA479133	114.7	26.0	16.0	6.0	3.0	2.5	1.7	1.2	3.0
21976	451557	AA707413	18.8	34.0	17.0	7.0	0.0	2.5	1.7	1.6	2.9
11803	769911	AA430524	142.7	24.0	15.0	11.0	3.0	2.5	1.9	1.8	2.8
1984	713922	AA290737	80.8	30.0	17.0	9.0	1.0	2.5	2.1	2.0	2.7
11797	487115	AA045384	141.5	27.0	21.0	11.0	1.0	2.5	2.1	2.2	2.6
4794	488413	AA046690	52.5	28.0	25.0	11.0	0.0	2.5	2.0	2.6	2.6
928	950445	AA599092	116.1	25.0	22.0	14.0	1.0	2.5	2.0	2.6	2.6
3874	191603	H38210	355.0	28.0	20.0	10.0	1.0	2.5	2.0	2.8	2.6
12583	43642	H04913	34.5	31.0	23.0	7.0	0.0	2.5	2.1	2.6	2.6
17519	813721	AA453790	53.8	29.0	25.0	9.0	0.0	2.5	2.4	2.2	2.6
4969	247482	N54161	12.2	28.0	19.0	11.0	1.0	2.5	2.3	2.6	2.5
8667	714213	AA293570	45.1	30.0	24.0	8.0	0.0	2.5	2.4	2.6	2.5
3573	950445	AA599092	180.6	26.0	23.0	11.0	1.0	2.5	2.4	2.8	2.4
4762	810131	AA464250	40.7	15.0	11.0	9.0	7.0	2.5	2.7	2.4	2.4
25628	878174	AA775443	61.8	32.0	24.0	17.0	9.0	2.5	2.4	3.3	2.3
27039	472081	AA036952	21.4	35.0	26.0	9.0	9.0	2.5	2.6	1.8	2.6
20410	32257	R43360	280.2	18.0	15.0	10.0	5.0	2.5	2.7	3.8	2.1
5165	950682	AA608558	166.4	29.0	21.0	12.0	0.0	2.5	2.6	3.2	2.3
9822	756556	AA481438	267.7	21.0	16.0	9.0	4.0	2.5	3.7	4.0	1.8
2052	382773	AA065090	244.3	20.0	17.0	10.0	4.0	2.5	1.9	0.6	3.0
1288	325070	W46976	91.0	32.0	18.0	3.0	1.0	2.5	3.4	2.0	2.3

Table 5

992	154289	R53021	113.1	13.0	12.0	11.0	7.0	2.5	3.7	2.8	2.0
6761	731118	AA417269	56.8	26.0	21.0	12.0	1.0	2.5	2.0	3.6	2.4
11094	837864	AA434064	60.7	19.0	15.0	8.0	5.0	2.5	1.3	3.2	2.6
22000	824193	AA491151	47.2	32.0	20.0	7.0	0.0	2.5	2.0	3.4	2.4
10236	80643	T57803	47.9	29.0	19.0	8.0	1.0	2.5	1.7	3.0	2.6
7604	291185	N67702	45.1	29.0	20.0	7.0	1.0	2.5	2.0	4.4	2.2
3130	810512	AA464532	21.5	36.0	17.0	2.0	0.0	2.5	2.6	3.2	2.3
8701	725927	AA292382	18.4	15.0	10.0	9.0	7.0	2.5	4.6	3.4	1.7
19655	150126	H04430	17.7	30.0	22.0	3.0	1.0	2.5	2.0	3.6	2.4
17863	788078	AA448761	11.7	13.0	12.0	11.0	7.0	2.5	4.3	4.0	1.6
12118	882548	AA676484	21.9	17.0	12.0	9.0	6.0	2.5	4.1	1.6	2.2
17271	1069733	AA599574	9.8	27.0	19.0	6.0	2.0	2.5	2.6	0.4	2.8
20430	897767	AA598470	34.0	24.0	18.0	13.0	2.0	2.5	1.4	2.4	2.8
21034	713130	AA283001	38.4	32.0	18.0	3.0	1.0	2.5	1.7	2.0	2.8
18042	785391	AA476604	36.7	29.0	23.0	10.0	0.0	2.5	2.0	2.2	2.6
3099	80146	T64262	50.5	32.0	23.0	4.0	0.0	2.5	2.3	2.0	2.6
3924	768272	AA424786	47.6	30.0	22.0	9.0	0.0	2.5	2.3	2.0	2.6
5427	726779	AA398400	21.4	30.0	12.0	7.0	2.0	2.5	2.4	2.0	2.6
16867	53162	R15409	14.5	29.0	22.0	11.0	0.0	2.5	2.1	2.6	2.5
8788	71902	T52152	27.6	30.0	20.0	5.0	1.0	2.5	2.6	2.6	2.4
2948	144905	R78598	68.2	27.0	22.0	8.0	1.0	2.4	1.9	3.2	2.4
15614	285155	N71920	43.9	32.0	19.0	7.0	0.0	2.4	3.1	2.0	2.3
1235	823851	AA490462	81.0	25.0	16.0	12.0	2.0	2.4	3.1	1.6	2.4
20146	896949	AA779417	81.0	25.0	19.0	9.0	2.0	2.4	1.0	0.4	3.2
13169	297748	N69913	21.0	26.0	14.0	6.0	3.0	2.4	1.4	3.6	2.5
11811	49499	H15549	20.9	26.0	22.0	10.0	1.0	2.4	1.1	3.2	2.6
14068	786550	AA452348	29.9	31.0	25.0	3.0	0.0	2.4	2.7	3.0	2.2
18862	289916	N77138	15.2	9.0	9.0	9.0	9.0	2.4	0.0	0.0	3.6
8367	344988	W76135	54.1	20.0	12.0	8.0	5.0	2.4	3.4	1.6	2.3
8347	85609	T62040	74.3	24.0	19.0	11.0	2.0	2.4	1.6	1.8	2.8
17575	1456120	AA862435	16.7	26.0	19.0	7.0	2.0	2.4	1.9	1.4	2.8
6524	291633	N73448	113.8	20.0	16.0	10.0	4.0	2.4	1.4	2.2	2.8
11606	428371	AA004368	17.6	30.0	20.0	4.0	1.0	2.4	1.9	1.6	2.8
17180	767068	AA424504	113.7	29.0	22.0	10.0	0.0	2.4	2.0	1.4	2.8
11591	256947	N30117	19.5	32.0	23.0	3.0	0.0	2.4	1.9	1.8	2.7
8646	249603	H84871	38.2	31.0	21.0	7.0	0.0	2.4	1.7	2.2	2.7
8110	347429	W81264	16.4	32.0	16.0	4.0	1.0	2.4	1.9	2.0	2.7
11902	877641	AA488238	244.0	24.0	17.0	7.0	3.0	2.4	1.9	2.0	2.7
16827	53040	R16178	19.7	26.0	20.0	12.0	1.0	2.4	2.1	1.6	2.7
8339	840556	AA487878	94.2	25.0	17.0	11.0	2.0	2.4	2.1	1.8	2.6
11749	502682	AA125911	109.9	29.0	25.0	7.0	0.0	2.4	2.7	1.0	2.6
6025	358333	W85682	35.1	33.0	17.0	7.0	0.0	2.4	1.9	2.4	2.6
7699	505274	AA142980	38.7	35.0	17.0	3.0	0.0	2.4	2.7	1.2	2.6
17997	811785	AA463463	31.4	23.0	13.0	7.0	4.0	2.4	2.7	1.6	2.5
1663	754538	AA406285	113.1	28.0	24.0	10.0	0.0	2.4	2.3	2.4	2.5
19898	878178	AA775445	53.6	23.0	15.0	11.0	3.0	2.4	2.6	2.0	2.5
2340	280236	N50247	29.9	32.0	22.0	4.0	0.0	2.4	2.3	2.6	2.4
9553	47186	H10403	5.8	26.0	16.0	4.0	3.0	2.4	2.9	1.8	2.4
25779	1604703	AA988615	786.9	28.0	21.0	15.0	11.0	2.4	3.6	3.0	2.0
23926	283204	N51365	51.6	30.0	21.0	17.0	10.0	2.4	1.4	1.5	2.9
27219	869442	AA679940	64.0	32.0	27.0	13.0	9.0	2.4	2.2	2.5	2.5
25171	471755	AA035077	33.9	34.0	26.0	10.0	9.0	2.4	2.4	2.3	2.5
24714	1635676	AI017416	107.4	31.0	25.0	17.0	9.0	2.4	2.4	2.3	2.5
6496	34093	R44927	2484.1	24.0	18.0	11.0	2.0	2.4	1.9	3.2	2.4
9976	772880	AA479883	46.4	29.0	22.0	9.0	0.0	2.4	2.0	3.0	2.4
304	809422	AA459901	38.7	29.0	19.0	6.0	1.0	2.4	1.9	3.8	2.3
5283	135800	R33200	44.6	30.0	22.0	7.0	0.0	2.4	2.1	3.4	2.3

Table 5

10709	299517	N71095	31.8	27.0	19.0	4.0	2.0	2.4	1.7	4.6	2.2
9639	429352	AA007515	33.8	32.0	20.0	5.0	0.0	2.4	1.9	3.0	2.4
4429	141623	R69307	21.0	12.0	9.0	8.0	8.0	2.4	3.3	0.4	2.6
6029	42258	R60301	13.1	11.0	10.0	9.0	8.0	2.4	3.4	0.0	2.6
345	196222	R92962	49.0	12.0	9.0	8.0	8.0	2.4	1.0	0.4	3.2
6750	39722	R54492	28.4	22.0	17.0	10.0	3.0	2.4	3.4	3.2	2.0
21791	701371	AA287917	60.3	29.0	14.0	5.0	2.0	2.4	1.3	1.6	2.9
21973	756554	AA481437	50.4	31.0	20.0	7.0	0.0	2.4	1.4	1.6	2.8
14530	796397	AA459950	26.5	31.0	24.0	3.0	0.0	2.4	2.0	1.2	2.8
16752	754111	AA478670	46.0	29.0	19.0	6.0	1.0	2.4	1.3	2.6	2.7
14110	195162	R91953	71.8	31.0	20.0	7.0	0.0	2.4	1.7	2.2	2.6
19923	209383	H64147	403.4	20.0	16.0	9.0	4.0	2.4	1.7	2.2	2.6
11626	489495	AA099236	55.0	28.0	18.0	9.0	1.0	2.4	2.3	1.4	2.6
19151	744905	AA625788	157.0	28.0	23.0	10.0	0.0	2.4	2.1	1.8	2.6
8721	491565	AA115076	82.0	26.0	24.0	13.0	0.0	2.4	2.4	1.4	2.6
16510	786602	AA451960	41.6	27.0	24.0	5.0	1.0	2.4	2.0	2.2	2.6
11786	562409	AA214154	519.7	25.0	15.0	12.0	2.0	2.4	2.3	1.8	2.6
4112	138706	R63503	13.7	28.0	23.0	10.0	0.0	2.4	2.3	2.2	2.5
19238	194717	R89846	11.0	28.0	19.0	8.0	1.0	2.4	2.0	2.8	2.4
21511	878605	AA775270	32.7	29.0	19.0	6.0	1.0	2.4	2.7	1.8	2.4
1285	784593	AA443435	96.6	29.0	22.0	9.0	0.0	2.4	2.1	2.8	2.4
1760	205715	H59381	17.0	28.0	27.0	6.0	0.0	2.4	2.3	2.6	2.4
549	208001	H60548	447.1	29.0	22.0	9.0	0.0	2.4	2.3	2.8	2.4
8842	415447	W80361	34.3	28.0	24.0	9.0	0.0	2.4	2.4	2.6	2.4
4209	206882	R98905	16.4	31.0	19.0	8.0	0.0	2.4	2.7	2.6	2.3
10245	811145	AA485742	57.5	26.0	13.0	6.0	3.0	2.4	2.7	2.8	2.2
24820	25778	R12337	37.3	31.0	24.0	17.0	9.0	2.4	2.6	3.3	2.2
27245	49162	H16635	78.2	25.0	22.0	19.0	11.0	2.4	2.0	4.3	2.1
24512	753232	AA406466	41.7	34.0	24.0	11.0	9.0	2.4	2.6	2.3	2.4
13292	754250	AA479364	173.5	27.0	21.0	7.0	1.0	2.4	3.0	2.4	2.2
1269	80946	T70056	79.2	26.0	24.0	12.0	0.0	2.4	2.0	3.0	2.4
6494	509800	AA045964	65.3	28.0	21.0	5.0	1.0	2.4	1.9	3.8	2.2
9563	843283	AA486055	51.7	28.0	21.0	11.0	0.0	2.4	2.3	3.2	2.2
19438	815861	AA485051	56.4	22.0	18.0	8.0	3.0	2.4	3.7	2.0	2.1
3992	785744	AA448941	55.5	24.0	19.0	9.0	2.0	2.4	3.6	2.6	2.0
12927	753182	AA478576	25.9	32.0	14.0	4.0	1.0	2.4	3.0	2.0	2.3
577	108208	T70752	26.6	16.0	13.0	7.0	6.0	2.4	0.7	0.8	3.2
14526	34901	R19893	30.1	20.0	17.0	13.0	3.0	2.4	5.1	4.4	1.2
7589	72441	T51617	14.3	14.0	9.0	9.0	7.0	2.4	3.1	2.8	2.1
1326	898095	AA598802	16.7	16.0	11.0	9.0	6.0	2.4	3.1	2.0	2.2
8056	46461	H09940	14.8	29.0	18.0	6.0	1.0	2.4	2.3	0.4	2.8
6370	853809	AA668470	96.1	29.0	21.0	9.0	0.0	2.4	1.9	1.6	2.7
16150	626001	AA188549	115.9	27.0	18.0	10.0	1.0	2.4	2.3	1.2	2.6
15720	486523	AA043280	128.6	30.0	20.0	8.0	0.0	2.4	2.1	1.6	2.6
11578	489600	AA101906	15.6	27.0	15.0	7.0	2.0	2.4	2.3	1.6	2.6
6516	590338	AA156054	249.8	27.0	21.0	13.0	0.0	2.4	1.9	2.4	2.5
866	796646	AA461467	88.5	25.0	20.0	12.0	1.0	2.4	2.1	2.0	2.5
5905	897667	AA496809	23.3	31.0	22.0	4.0	0.0	2.4	2.3	2.0	2.5
22189	272507	N35825	27.8	32.0	23.0	1.0	0.0	2.4	2.6	1.6	2.5
1705	26811	R14027	16.3	30.0	19.0	9.0	0.0	2.4	2.1	2.4	2.4
3498	131362	R23083	101.4	30.0	18.0	10.0	0.0	2.4	2.7	1.6	2.4
5290	469952	AA029889	122.0	25.0	20.0	12.0	1.0	2.4	2.3	2.4	2.4
20341	868548	AA775047	114.8	29.0	19.0	11.0	0.0	2.4	2.3	2.4	2.4
3234	809598	AA442984	26.8	27.0	22.0	12.0	0.0	2.4	2.4	2.2	2.4
1938	43884	H05580	83.9	26.0	19.0	11.0	1.0	2.4	2.1	2.8	2.4
14548	970271	AA775957	26.8	30.0	15.0	7.0	1.0	2.4	2.3	2.6	2.4
13437	768043	AA418852	16.5	14.0	9.0	9.0	7.0	2.4	2.9	2.0	2.3

Table 5

9056	31740	R17293	14.3	25.0	19.0	7.0	2.0	2.4	2.6	2.6	2.3
3146	795178	AA453969	35.4	29.0	23.0	7.0	0.0	2.4	2.7	2.4	2.3
26095	1435624	AA857944	76.2	24.0	24.0	18.0	11.0	2.4	3.6	0.0	2.5
27378	261246	H98241	169.4	28.0	23.0	17.0	10.0	2.4	2.0	1.8	2.6
25128	1048769	AA626939	49.5	31.0	26.0	14.0	9.0	2.4	2.0	1.8	2.6
23499	1276676	AA776789	21.5	36.0	21.0	9.0	9.0	2.4	2.2	2.3	2.4
27327	377827	AA775536	120.9	27.0	24.0	18.0	10.0	2.4	2.8	2.8	2.2
19942	825740	AA504844	77.1	24.0	19.0	14.0	1.0	2.4	2.1	3.2	2.2
6458	108377	T77733	69.3	29.0	20.0	3.0	1.0	2.4	1.7	3.8	2.2
14751	840770	AA486139	68.9	27.0	21.0	12.0	0.0	2.4	3.0	3.0	2.0
3941	240249	H89517	32.5	26.0	15.0	8.0	2.0	2.4	3.0	1.8	2.3
3268	134829	R31758	12.6	16.0	11.0	8.0	6.0	2.4	2.1	4.0	2.1
14558	34934	R45160	16.7	20.0	14.0	9.0	4.0	2.4	3.1	1.8	2.2
20846	263716	H99676	119.2	20.0	13.0	10.0	4.0	2.4	3.7	0.0	2.4
7168	81578	T65844	38.5	26.0	19.0	10.0	1.0	2.4	1.7	1.4	2.7
12803	950678	AA608556	28.0	20.0	11.0	6.0	5.0	2.4	1.7	1.4	2.7
18667	505924	AA778286	23.2	11.0	9.0	8.0	8.0	2.4	1.9	2.0	2.6
782	45544	H08564	178.1	25.0	20.0	11.0	1.0	2.4	1.6	2.8	2.5
16112	436155	AA703250	160.3	29.0	22.0	7.0	0.0	2.4	1.7	2.6	2.5
17658	30077	R42543	6.2	27.0	11.0	4.0	3.0	2.4	2.1	2.0	2.5
9100	45801	H09392	32.7	28.0	17.0	8.0	1.0	2.4	2.9	1.0	2.5
3338	740554	AA477165	29.2	32.0	20.0	3.0	0.0	2.4	1.9	2.6	2.4
1295	811870	AA454958	109.6	29.0	23.0	6.0	0.0	2.4	2.1	2.2	2.4
10090	795603	AA460012	226.3	31.0	17.0	8.0	0.0	2.4	2.3	2.2	2.4
19833	854897	AA630373	27.7	31.0	20.0	5.0	0.0	2.4	2.3	2.2	2.4
21291	700724	AA285128	39.1	26.0	20.0	9.0	1.0	2.4	2.4	2.0	2.4
21334	470001	AA029107	29.8	31.0	18.0	7.0	0.0	2.4	2.1	2.6	2.4
3138	205185	H60674	32.3	33.0	19.0	2.0	0.0	2.4	2.1	2.8	2.3
19532	435957	AA701978	26.1	33.0	18.0	3.0	0.0	2.4	2.4	2.4	2.3
19993	396193	AA757827	24.3	30.0	22.0	5.0	0.0	2.4	2.9	1.8	2.3
20072	814702	AA481069	57.9	25.0	21.0	10.0	1.0	2.4	2.9	2.8	2.1
17527	44292	H06273	340.8	25.0	14.0	10.0	2.0	2.3	3.0	4.0	1.8
6482	856167	AA630628	133.4	23.0	20.0	8.0	2.0	2.3	1.7	4.0	2.2
20735	435371	AA700758	104.5	27.0	21.0	11.0	0.0	2.3	3.0	2.8	2.0
21665	262695	H99415	26.2	17.0	13.0	9.0	5.0	2.3	2.4	4.6	1.8
4736	789049	AA452909	36.0	28.0	23.0	7.0	0.0	2.3	2.4	3.2	2.1
4533	243887	N33960	23.4	23.0	16.0	6.0	3.0	2.3	1.7	3.0	2.4
22029	490789	AA133204	44.7	22.0	16.0	8.0	3.0	2.3	0.9	1.0	3.0
9887	52996	R16195	10.0	24.0	17.0	9.0	2.0	2.3	3.7	2.0	2.0
10725	742837	AA406125	33.4	25.0	15.0	9.0	2.0	2.3	1.3	3.2	2.4
8276	24061	R37566	9.7	22.0	18.0	6.0	3.0	2.3	2.1	5.4	1.8
15559	796408	AA459945	12.8	13.0	9.0	9.0	7.0	2.3	3.1	2.4	2.1
5058	771323	AA476241	99.6	28.0	20.0	10.0	0.0	2.3	1.7	0.4	2.9
3858	509731	AA045699	31.3	28.0	17.0	7.0	1.0	2.3	1.9	1.0	2.7
3953	809901	AA464342	28.9	30.0	22.0	4.0	0.0	2.3	2.0	0.8	2.7
6361	358433	W96098	5.4	20.0	16.0	12.0	3.0	2.3	1.4	1.8	2.7
11741	148028	H13622	47.0	28.0	22.0	8.0	0.0	2.3	1.7	1.4	2.7
17655	1493383	AA894694	30.1	17.0	9.0	7.0	6.0	2.3	2.1	0.8	2.7
11405	124575	R01941	14.8	29.0	16.0	6.0	1.0	2.3	2.0	1.2	2.6
5261	244911	N76229	427.2	14.0	9.0	7.0	7.0	2.3	2.1	1.0	2.6
1112	810741	AA457725	303.7	21.0	15.0	11.0	3.0	2.3	1.9	1.6	2.6
1900	148800	H13469	73.0	27.0	20.0	12.0	0.0	2.3	2.1	1.2	2.6
1594	66686	T67271	1192.1	22.0	17.0	13.0	2.0	2.3	2.0	1.6	2.6
2123	341821	W60745	28.5	31.0	21.0	3.0	0.0	2.3	2.1	1.4	2.6
16812	180512	R85090	15.1	30.0	19.0	1.0	1.0	2.3	1.3	2.8	2.5
19774	290111	N76492	103.1	29.0	20.0	8.0	0.0	2.3	1.9	2.0	2.5
19253	266819	N31411	25.2	31.0	20.0	4.0	0.0	2.3	2.0	1.8	2.5



Table 5

13464	357985	W92630	30.7	34.0	15.0	3.0	0.0	2.3	1.7	2.6	2.4
20518	279963	N57557	20.4	27.0	16.0	4.0	2.0	2.3	2.3	1.8	2.4
6766	884894	AA669452	186.7	21.0	16.0	10.0	3.0	2.3	1.7	2.8	2.4
5104	205745	H58118	86.3	27.0	24.0	8.0	0.0	2.3	2.1	2.2	2.4
8569	301627	AI668639	23.2	31.0	21.0	3.0	0.0	2.3	2.3	2.0	2.4
3572	66535	T67028	30.4	31.0	20.0	4.0	0.0	2.3	2.0	2.6	2.4
12758	282100	N51496	21.0	30.0	19.0	7.0	0.0	2.3	2.7	1.6	2.4
18039	666371	AA232645	16.4	27.0	19.0	7.0	1.0	2.3	2.7	1.6	2.4
727	359933	AA035620	76.2	25.0	19.0	11.0	1.0	2.3	2.3	2.4	2.3
14892	1412502	AA845167	7.8	27.0	17.0	3.0	2.0	2.3	2.1	2.8	2.3
3984	358531	W96155	92.1	29.0	20.0	8.0	0.0	2.3	2.4	2.6	2.2
26036	743878	AA634434	36.8	30.0	22.0	13.0	10.0	2.3	1.2	2.0	2.7
22724	1049346	AA620867	56.5	29.0	24.0	19.0	9.0	2.3	2.6	1.3	2.5
21278	825207	AA504120	499.1	25.0	19.0	10.0	1.0	2.3	3.7	2.8	1.8
17175	752668	AA417683	34.7	28.0	24.0	5.0	0.0	2.3	2.4	3.0	2.1
18938	489677	AA099568	19.4	22.0	16.0	7.0	3.0	2.3	3.9	1.6	2.0
12271	731270	AA416684	10.6	27.0	21.0	4.0	1.0	2.3	1.6	1.2	2.7
7777	415584	W80715	21.7	29.0	15.0	6.0	1.0	2.3	1.6	1.4	2.7
5886	898218	AA598601	180.6	21.0	17.0	8.0	3.0	2.3	2.7	0.0	2.6
3973	813651	AA447761	51.8	28.0	22.0	7.0	0.0	2.3	1.6	2.0	2.6
2116	138455	R68626	22.2	26.0	14.0	13.0	1.0	2.3	1.7	2.4	2.4
14210	511143	AA088274	36.2	28.0	20.0	9.0	0.0	2.3	2.0	2.4	2.4
10846	782446	AA431571	86.3	27.0	20.0	11.0	0.0	2.3	2.0	2.4	2.4
13177	784253	AA446906	55.4	30.0	19.0	6.0	0.0	2.3	2.0	2.4	2.4
6074	296616	N73975	110.6	29.0	19.0	8.0	0.0	2.3	2.3	2.0	2.4
3883	178463	H46553	20.0	32.0	18.0	3.0	0.0	2.3	1.9	2.8	2.3
7131	740801	AA477298	61.9	29.0	19.0	8.0	0.0	2.3	2.0	2.6	2.3
8440	50660	H17385	34.2	26.0	20.0	13.0	0.0	2.3	2.0	2.8	2.3
6384	73638	T55770	148.7	23.0	17.0	10.0	2.0	2.3	2.3	2.4	2.3
17463	545366	AA079045	52.8	27.0	23.0	8.0	0.0	2.3	2.3	2.4	2.3
14153	754594	AA406266	66.2	27.0	22.0	9.0	0.0	2.3	2.3	2.4	2.3
2186	127610	R09179	228.3	28.0	21.0	8.0	0.0	2.3	2.7	2.0	2.2
17620	236263	H61188	145.3	31.0	20.0	3.0	0.0	2.3	2.6	2.4	2.2
19940	165828	R86847	16.9	19.0	9.0	8.0	5.0	2.3	2.7	2.4	2.2
9073	246872	N59115	22.8	32.0	16.0	5.0	0.0	2.3	2.7	2.4	2.2
25599	859574	AA668668	22.3	34.0	22.0	10.0	9.0	2.3	1.8	2.3	2.4
22823	50971	H17130	21.7	32.0	23.0	13.0	9.0	2.3	2.0	2.5	2.3
26957	859654	AA666418	31.5	33.0	24.0	10.0	9.0	2.3	2.4	2.3	2.3
15535	511107	AA088371	401.9	23.0	18.0	14.0	1.0	2.3	1.7	3.2	2.2
19760	811079	AA485458	59.4	27.0	22.0	8.0	0.0	2.3	2.0	3.4	2.1
10170	271198	N30428	25.5	28.0	17.0	5.0	1.0	2.3	2.4	4.2	1.8
21190	303199	W20512	20.7	30.0	17.0	7.0	0.0	2.3	2.0	3.0	2.2
20228	451905	AA706967	9.0	15.0	11.0	7.0	6.0	2.3	2.3	4.4	1.8
10035	345023	W76539	17.1	27.0	12.0	6.0	2.0	2.3	3.1	1.4	2.2
13043	669375	AA253446	41.2	13.0	8.0	8.0	7.0	2.3	1.7	1.2	2.6
13872	504302	AA149509	20.0	30.0	15.0	3.0	1.0	2.3	1.1	2.4	2.6
19091	309447	N94344	21.0	28.0	21.0	7.0	0.0	2.3	2.0	1.2	2.6
1491	429466	AA007668	18.6	31.0	17.0	5.0	0.0	2.3	1.7	1.8	2.5
17636	724960	AA404630	20.4	29.0	21.0	5.0	0.0	2.3	1.9	1.8	2.5
6298	505047	AA150891	17.4	29.0	16.0	4.0	1.0	2.3	1.3	2.8	2.4
5055	726637	AA398011	33.5	30.0	20.0	4.0	0.0	2.3	1.6	2.4	2.4
15893	120528	T95404	49.9	26.0	20.0	12.0	0.0	2.3	1.9	2.2	2.4
6659	141726	R69584	10.2	11.0	10.0	10.0	7.0	2.3	2.0	2.0	2.4
11037	855438	AA664077	151.6	22.0	16.0	12.0	2.0	2.3	2.0	2.0	2.4
8955	810349	AA464168	26.6	33.0	17.0	1.0	0.0	2.3	2.0	2.2	2.4
8428	265045	N20796	210.8	31.0	16.0	6.0	0.0	2.3	1.7	2.8	2.3
16730	627688	AA197344	78.3	26.0	22.0	10.0	0.0	2.3	1.7	2.8	2.3

Table 5

8256	502355	AA156728	45.0	30.0	19.0	5.0	0.0	2.3	2.1	2.2	2.3
11102	80484	T64609	132.2	26.0	15.0	5.0	2.0	2.3	2.3	2.2	2.3
11475	502585	AA156821	60.9	28.0	24.0	4.0	0.0	2.3	2.3	2.2	2.3
11725	415870	W86215	34.9	31.0	18.0	4.0	0.0	2.3	2.6	2.2	2.2
4284	154749	R55619	30.6	25.0	20.0	14.0	0.0	2.3	2.3	2.8	2.2
5249	138775	R63597	269.1	25.0	19.0	9.0	1.0	2.3	2.4	2.6	2.2
7894	869233	AA679864	55.0	9.0	9.0	9.0	8.0	2.3	2.9	2.0	2.2
917	123926	R01515	20.8	29.0	18.0	8.0	0.0	2.3	2.7	2.8	2.0
23764	486641	AA043466	49.4	31.0	24.0	13.0	9.0	2.3	1.8	2.0	2.4
25347	1603583	AA996131	84.2	31.0	26.0	11.0	9.0	2.3	2.4	2.0	2.3
13746	788520	AA452799	312.7	23.0	15.0	10.0	2.0	2.2	3.0	2.0	2.1
15219	42035	R59068	21.8	20.0	15.0	10.0	3.0	2.2	2.9	7.4	1.0
7198	223128	H86669	99.1	25.0	18.0	9.0	1.0	2.2	3.3	2.2	2.0
20756	452345	AA700862	12.5	19.0	13.0	8.0	4.0	2.2	3.7	1.0	2.1
3164	35077	R25020	239.6	22.0	18.0	9.0	2.0	2.2	1.4	1.2	2.7
21543	897153	AA676961	92.6	28.0	12.0	3.0	2.0	2.2	1.3	1.6	2.6
8782	213651	H72225	176.2	24.0	20.0	15.0	0.0	2.2	1.4	1.6	2.6
10266	432042	AA678280	27.3	23.0	15.0	4.0	3.0	2.2	1.7	1.4	2.6
6578	487151	AA043790	30.8	24.0	20.0	9.0	1.0	2.2	1.3	2.4	2.5
14363	626544	AA187977	130.0	23.0	19.0	12.0	1.0	2.2	1.7	1.8	2.5
15685	768466	AA425014	64.8	26.0	19.0	12.0	0.0	2.2	1.9	1.6	2.5
541	66686	T67271	1216.4	23.0	17.0	14.0	1.0	2.2	2.0	1.6	2.4
10738	611156	AA173372	63.5	24.0	20.0	9.0	1.0	2.2	1.7	2.4	2.4
12441	626716	AA191245	27.9	32.0	17.0	2.0	0.0	2.2	1.7	2.4	2.4
5149	897673	AA598759	89.6	26.0	18.0	7.0	1.0	2.2	1.7	2.4	2.4
2025	950356	AA600173	65.5	27.0	22.0	7.0	0.0	2.2	1.7	2.4	2.4
1028	133303	R26977	52.0	30.0	20.0	3.0	0.0	2.2	1.9	2.2	2.4
10031	415305	W91980	23.8	30.0	11.0	6.0	1.0	2.2	2.1	1.8	2.4
8352	40082	R52530	5.1	24.0	17.0	6.0	2.0	2.2	2.3	1.6	2.4
5558	823851	AA490462	77.7	25.0	14.0	13.0	1.0	2.2	2.3	1.6	2.4
3697	321189	W53015	184.1	26.0	19.0	12.0	0.0	2.2	1.7	2.6	2.3
8402	626068	AA194650	84.2	25.0	21.0	6.0	1.0	2.2	1.7	2.6	2.3
624	295973	N73551	20.2	29.0	14.0	11.0	0.0	2.2	2.1	2.2	2.3
1669	668851	AA262988	26.7	34.0	13.0	2.0	0.0	2.2	2.1	2.2	2.3
6811	730555	AA435948	23.5	21.0	19.0	10.0	2.0	2.2	2.1	2.2	2.3
1257	77133	T50633	64.5	27.0	21.0	8.0	0.0	2.2	2.4	1.8	2.3
6086	470846	AA031898	65.3	27.0	21.0	8.0	0.0	2.2	2.4	1.8	2.3
2366	755663	AA419164	19.8	34.0	14.0	1.0	0.0	2.2	2.0	2.8	2.2
14149	768111	AA426494	21.2	29.0	22.0	3.0	0.0	2.2	2.3	2.6	2.2
6664	810142	AA464246	1373.5	22.0	17.0	9.0	2.0	2.2	2.0	4.0	1.9
6435	841217	AA486738	54.9	26.0	18.0	6.0	1.0	2.2	1.6	3.6	2.1
12694	504959	AA148050	18.3	25.0	14.0	6.0	2.0	2.2	0.9	3.6	2.3
6742	866882	AA679352	83.6	25.0	20.0	6.0	1.0	2.2	1.9	3.4	2.1
6531	377051	AA057620	44.2	28.0	18.0	2.0	1.0	2.2	1.9	3.0	2.2
17311	299629	W05747	15.4	26.0	18.0	6.0	1.0	2.2	1.0	1.6	2.7
16970	838285	AA458747	42.0	28.0	19.0	7.0	0.0	2.2	1.6	0.8	2.7
4111	123699	R01712	50.9	16.0	11.0	9.0	5.0	2.2	2.0	0.4	2.6
20426	32696	R43604	12.7	28.0	19.0	7.0	0.0	2.2	1.7	1.6	2.5
3255	897636	AA496784	96.0	24.0	18.0	10.0	1.0	2.2	1.7	1.8	2.4
1992	137940	R63065	50.4	31.0	19.0	1.0	0.0	2.2	2.0	1.4	2.4
20011	325014	W48629	68.4	30.0	21.0	1.0	0.0	2.2	2.4	0.8	2.4
9895	951125	AA620556	99.0	29.0	19.0	5.0	0.0	2.2	1.3	2.6	2.4
2074	843110	AA486493	59.6	28.0	19.0	7.0	0.0	2.2	1.7	2.0	2.4
9207	594724	AA172048	158.3	25.0	19.0	7.0	1.0	2.2	1.7	2.4	2.3
7911	50704	H17412	11.0	25.0	21.0	5.0	1.0	2.2	2.0	2.0	2.3
12110	730002	AA416952	45.0	28.0	17.0	3.0	1.0	2.2	2.3	1.6	2.3
2105	841703	AA487593	113.3	25.0	17.0	9.0	1.0	2.2	1.6	2.8	2.3

Table 5

18654	701819	AA287121	61.3	26.0	17.0	7.0	1.0	2.2	2.1	2.0	2.3
15454	897733	AA598996	198.2	19.0	17.0	9.0	3.0	2.2	2.1	2.0	2.3
673	292522	N91307	24.3	27.0	15.0	7.0	1.0	2.2	2.3	1.8	2.3
18365	823878	AA490474	20.7	33.0	16.0	0.0	0.0	2.2	2.0	2.4	2.2
12648	289645	N62866	20.1	27.0	15.0	7.0	1.0	2.2	2.4	1.8	2.2
5640	139268	R68492	13.5	30.0	18.0	4.0	0.0	2.2	2.6	1.8	2.2
13749	813478	AA455435	48.4	27.0	21.0	7.0	0.0	2.2	2.6	1.8	2.2
824	809494	AA443118	125.8	23.0	19.0	11.0	1.0	2.2	2.9	1.4	2.2
12963	666451	AA232926	22.9	34.0	12.0	2.0	0.0	2.2	2.4	2.4	2.1
18034	785368	AA476576	40.0	26.0	22.0	8.0	0.0	2.2	2.4	2.8	2.0
3110	127841	R08828	32.3	26.0	16.0	8.0	1.0	2.2	2.6	2.6	2.0
16369	122241	T98719	277.2	23.0	16.0	8.0	2.0	2.2	2.9	2.4	2.0
25177	897219	AA677513	61.9	33.0	21.0	11.0	9.0	2.2	2.0	3.0	2.1
19242	971367	AA683050	2742.2	18.0	15.0	12.0	3.0	2.2	3.0	2.8	1.8
1256	144977	R78725	105.0	25.0	17.0	8.0	1.0	2.2	1.7	3.8	2.0
17726	251806	H96647	49.9	21.0	16.0	11.0	2.0	2.2	3.1	1.8	2.0
2799	700527	AA291163	36.2	27.0	22.0	5.0	0.0	2.2	1.9	0.0	2.7
9973	46561	H09757	11.3	23.0	18.0	11.0	1.0	2.2	1.3	1.6	2.6
18348	769542	AA426212	228.1	22.0	18.0	7.0	2.0	2.2	1.6	1.2	2.6
18510	713230	AA282833	88.2	21.0	15.0	12.0	2.0	2.2	1.6	1.6	2.5
8431	34294	R44346	18.6	29.0	18.0	5.0	0.0	2.2	2.0	1.4	2.4
20563	1032831	AA628462	25.8	30.0	19.0	2.0	0.0	2.2	2.0	1.6	2.4
487	758329	AA401236	41.0	28.0	22.0	3.0	0.0	2.2	1.7	2.2	2.3
2111	840990	AA486570	66.8	29.0	17.0	6.0	0.0	2.2	2.0	1.8	2.3
18914	491001	AA136710	142.2	22.0	16.0	9.0	2.0	2.2	2.1	1.8	2.3
2362	209655	H61499	54.4	29.0	13.0	4.0	1.0	2.2	1.9	2.4	2.2
9247	278729	N62936	32.2	30.0	19.0	2.0	0.0	2.2	2.0	2.2	2.2
4664	203351	H54367	46.5	25.0	21.0	10.0	0.0	2.2	2.0	2.4	2.2
18714	511850	AA088837	296.9	23.0	17.0	12.0	1.0	2.2	2.1	2.2	2.2
10247	877638	AA488178	36.9	26.0	23.0	6.0	0.0	2.2	2.4	1.8	2.2
15240	753791	AA410381	26.5	33.0	14.0	1.0	0.0	2.2	2.1	2.4	2.2
1019	841691	AA488716	84.7	25.0	21.0	10.0	0.0	2.2	2.1	2.4	2.2
19634	293924	N63940	9.4	26.0	17.0	6.0	1.0	2.2	2.3	2.4	2.1
11684	282108	N51499	35.4	27.0	18.0	3.0	1.0	2.2	2.4	2.6	2.0
22495	449498	AA777926	287.8	30.0	23.0	14.0	9.0	2.2	1.6	1.0	2.6
27402	262136	H99099	6.3	27.0	21.0	16.0	10.0	2.2	1.2	1.8	2.5
27220	757225	AA426027	150.2	29.0	22.0	17.0	9.0	2.2	1.8	2.3	2.3
26131	502791	AA127011	48.7	33.0	21.0	10.0	9.0	2.2	2.2	2.8	2.1
19218	857681	AA633768	1285.3	18.0	14.0	12.0	3.0	2.2	2.9	4.0	1.6
14235	840726	AA487846	293.5	18.0	13.0	7.0	4.0	2.2	1.6	3.0	2.2
4517	243405	N33590	210.9	10.0	10.0	8.0	7.0	2.2	3.4	0.6	2.1
2608	115408	T87515	26.0	27.0	15.0	5.0	1.0	2.2	1.7	3.0	2.1
1421	66663	T67249	14.3	14.0	14.0	14.0	4.0	2.2	2.6	4.0	1.7
799	233199	H75895	9.3	8.0	8.0	8.0	8.0	2.2	0.0	0.0	3.2
1192	753215	AA406420	29.2	29.0	18.0	4.0	0.0	2.2	1.9	0.8	2.5
1496	795803	AA460509	88.5	27.0	17.0	9.0	0.0	2.2	1.9	1.6	2.4
16103	1475746	AA873762	79.8	23.0	17.0	5.0	2.0	2.2	1.4	2.4	2.3
13319	41940	R59087	68.3	27.0	17.0	3.0	1.0	2.2	1.6	2.2	2.3
19202	868308	AA634008	1491.7	20.0	15.0	13.0	2.0	2.2	2.0	1.6	2.3
15596	726571	AA394156	94.5	29.0	18.0	4.0	0.0	2.2	1.7	2.2	2.3
3676	143887	R76394	46.8	25.0	18.0	12.0	0.0	2.2	1.9	2.0	2.3
15291	768347	AA495898	108.4	27.0	18.0	8.0	0.0	2.2	1.6	2.8	2.2
4311	50680	H16824	20.8	26.0	17.0	11.0	0.0	2.2	2.0	2.2	2.2
2680	290753	N67639	47.7	26.0	20.0	8.0	0.0	2.2	1.9	2.6	2.2
16671	566255	AA137096	57.6	26.0	19.0	9.0	0.0	2.2	2.3	2.0	2.2
8463	279905	N38860	46.9	30.0	17.0	3.0	0.0	2.2	1.9	2.8	2.1
14036	38253	R35943	36.8	27.0	18.0	8.0	0.0	2.2	2.0	2.8	2.1

Table 5

3399	358531	W96155	89.2	27.0	20.0	6.0	0.0	2.2	2.4	2.2	2.1
3791	504979	AA151213	20.2	29.0	19.0	3.0	0.0	2.2	2.3	2.6	2.0
9227	809507	AA454563	16.9	13.0	9.0	9.0	6.0	2.2	2.9	2.0	2.0
24119	743890	AA634469	38.8	31.0	23.0	11.0	9.0	2.1	1.8	2.0	2.3
25395	1607018	AA988298	119.3	29.0	25.0	13.0	9.0	2.1	2.4	2.5	2.0
23312	1468888	AA884071	41.7	34.0	19.0	9.0	9.0	2.1	2.6	2.3	2.0
6508	74051	T48292	1440.5	18.0	14.0	11.0	3.0	2.1	2.0	4.0	1.8
7982	745496	AA625981	445.2	21.0	17.0	8.0	2.0	2.1	1.9	3.2	2.0
6484	415415	W81118	1032.9	24.0	17.0	8.0	1.0	2.1	1.9	3.4	2.0
16946	839592	AA504655	265.6	23.0	18.0	9.0	1.0	2.1	2.9	3.4	1.7
12102	486787	AA043227	159.3	27.0	20.0	5.0	0.0	2.1	2.0	3.2	2.0
19853	855336	AA630376	100.2	24.0	16.0	9.0	1.0	2.1	2.0	3.0	2.0
20557	826995	AA521384	52.2	25.0	23.0	6.0	0.0	2.1	1.4	3.8	2.0
19418	745364	AA625664	56.7	24.0	14.0	5.0	2.0	2.1	3.6	3.2	1.5
6885	50615	H17513	60.6	22.0	17.0	6.0	2.0	2.1	2.0	3.4	1.9
7018	810224	AA464691	47.0	22.0	17.0	6.0	2.0	2.1	3.7	4.8	1.2
12158	745503	AA625995	174.3	25.0	15.0	8.0	1.0	2.1	2.0	3.8	1.8
9961	781311	AA446543	20.6	24.0	15.0	4.0	2.0	2.1	2.0	4.6	1.7
3205	563673	AA101299	23.7	18.0	13.0	6.0	4.0	2.1	1.3	3.0	2.2
2493	159608	H16152	27.6	27.0	16.0	3.0	1.0	2.1	1.0	1.0	2.7
16054	35575	R45964	21.7	29.0	19.0	2.0	0.0	2.1	1.3	1.6	2.5
16878	38072	R49013	15.2	25.0	19.0	4.0	1.0	2.1	1.6	1.8	2.4
12159	62114	T41078	27.5	25.0	14.0	3.0	2.0	2.1	1.7	1.6	2.4
3916	248454	N59626	127.0	23.0	13.0	8.0	2.0	2.1	1.7	1.6	2.4
3346	151261	H02336	24.5	23.0	16.0	5.0	2.0	2.1	1.4	2.2	2.3
2671	321189	W53015	165.9	25.0	17.0	12.0	0.0	2.1	1.7	1.8	2.3
9968	897730	AA598987	1157.4	22.0	15.0	8.0	2.0	2.1	1.7	1.8	2.3
9051	125187	R05609	18.8	29.0	19.0	2.0	0.0	2.1	1.9	1.8	2.3
16214	595695	AA173189	52.5	23.0	19.0	8.0	1.0	2.1	1.9	1.8	2.3
12151	78946	T61792	48.7	27.0	20.0	5.0	0.0	2.1	2.1	1.4	2.3
17206	786612	AA478474	21.2	30.0	15.0	4.0	0.0	2.1	1.6	2.4	2.2
5656	140103	R65798	15.3	27.0	17.0	8.0	0.0	2.1	1.9	2.0	2.2
5019	24032	T78285	8.7	29.0	17.0	4.0	0.0	2.1	1.6	2.6	2.2
6851	510790	AA102052	63.5	27.0	18.0	7.0	0.0	2.1	1.9	2.2	2.2
951	79022	T61948	50.7	26.0	21.0	6.0	0.0	2.1	2.1	1.8	2.2
10152	486175	AA043133	32.4	23.0	14.0	7.0	2.0	2.1	1.7	2.6	2.2
19837	855143	AA630221	57.0	25.0	19.0	10.0	0.0	2.1	1.9	2.4	2.2
9162	784109	AA446750	66.0	28.0	18.0	5.0	0.0	2.1	2.4	1.6	2.2
3246	746321	AA481397	16.9	29.0	16.0	5.0	0.0	2.1	2.6	1.4	2.2
15311	1411726	AA856556	1523.3	18.0	15.0	10.0	3.0	2.1	2.6	1.6	2.1
18478	712401	AA281652	29.3	31.0	15.0	2.0	0.0	2.1	2.1	2.4	2.1
3634	52646	H29878	14.6	32.0	13.0	2.0	0.0	2.1	2.3	2.2	2.1
10541	502326	AA156874	20.6	24.0	13.0	6.0	2.0	2.1	2.3	2.2	2.1
19002	506032	AA708446	63.9	23.0	19.0	8.0	1.0	2.1	2.0	2.8	2.0
18370	30114	R41227	24.6	28.0	18.0	5.0	0.0	2.1	2.4	2.6	2.0
11656	853151	AA668301	1520.5	20.0	16.0	11.0	2.0	2.1	2.9	2.0	2.0
7202	884546	AA629808	1700.4	22.0	16.0	12.0	1.0	2.1	2.0	3.6	1.8
21614	203184	H54541	25.5	19.0	12.0	10.0	3.0	2.1	3.7	2.4	1.6
9549	45728	H08427	17.7	19.0	11.0	5.0	4.0	2.1	0.7	5.0	1.9
6682	359269	AA016225	26.4	20.0	13.0	7.0	3.0	2.1	2.0	4.6	1.6
11754	384081	AA702548	14.0	18.0	10.0	8.0	4.0	2.1	3.1	0.0	2.2
11794	590500	AA157261	15.5	16.0	14.0	8.0	4.0	2.1	3.0	1.0	2.1
14003	840467	AA485877	47.5	24.0	18.0	6.0	1.0	2.1	1.1	0.6	2.7
9863	47362	H11006	7.7	28.0	17.0	5.0	0.0	2.1	2.0	0.4	2.5
21902	280699	N47445	36.7	26.0	20.0	6.0	0.0	2.1	1.3	1.6	2.4
9811	52635	H29513	14.0	24.0	20.0	10.0	0.0	2.1	1.4	1.6	2.4
5816	34849	R43766	620.1	22.0	19.0	9.0	1.0	2.1	1.7	1.2	2.4

Table 5

12474	502603	AA134570	40.8	30.0	17.0	1.0	0.0	2.1	1.7	1.2	2.4
14539	767991	AA418925	32.8	31.0	16.0	0.0	0.0	2.1	1.4	1.8	2.4
4011	897652	AA496795	27.4	30.0	17.0	1.0	0.0	2.1	1.6	1.6	2.4
17065	529302	AA069696	22.2	28.0	19.0	3.0	0.0	2.1	1.7	1.4	2.4
2031	814381	AA458861	79.1	26.0	22.0	4.0	0.0	2.1	1.6	1.8	2.3
10862	136024	R34224	10.3	25.0	15.0	7.0	1.0	2.1	1.9	1.4	2.3
11871	625234	AA181085	42.8	26.0	16.0	4.0	1.0	2.1	2.1	1.2	2.3
2767	196501	R91597	11.3	18.0	14.0	10.0	3.0	2.1	1.9	2.0	2.2
9886	264640	N27610	193.6	21.0	15.0	9.0	2.0	2.1	2.0	1.8	2.2
3613	155434	R71913	178.8	22.0	20.0	8.0	1.0	2.1	1.7	2.4	2.2
3789	309045	N95371	24.6	27.0	22.0	2.0	0.0	2.1	1.7	2.4	2.2
19740	451788	AA706804	14.3	12.0	9.0	9.0	6.0	2.1	2.0	2.0	2.2
1897	199239	R95774	28.5	24.0	19.0	11.0	0.0	2.1	2.1	2.0	2.1
10440	289868	N62077	28.1	29.0	17.0	3.0	0.0	2.1	2.0	2.6	2.0
2363	31873	R17124	97.6	21.0	17.0	13.0	1.0	2.1	2.1	2.4	2.0
11450	509479	AA056395	104.0	26.0	20.0	6.0	0.0	2.1	2.3	2.4	2.0
3155	232772	H72723	399.2	27.0	16.0	2.0	1.0	2.1	2.9	1.6	2.0
8854	811581	AA458524	25.4	20.0	14.0	6.0	3.0	2.1	2.4	2.6	1.9
2802	843028	AA488541	11.1	9.0	9.0	9.0	7.0	2.1	2.9	2.0	1.9
9470	1031076	AA610066	18.1	9.0	9.0	9.0	7.0	2.1	2.9	2.0	1.9
22359	26230	R12449	31.5	27.0	23.0	12.0	10.0	2.1	1.0	3.0	2.2
23986	1457420	AA922919	62.1	30.0	23.0	12.0	9.0	2.1	2.2	1.3	2.3
23007	461264	AA699849	283.5	27.0	23.0	12.0	10.0	2.1	1.8	2.0	2.2
26680	856504	AA633545	71.1	27.0	26.0	15.0	9.0	2.1	1.8	2.3	2.2
26088	1636868	AI015589	71.5	29.0	25.0	12.0	9.0	2.1	2.4	2.0	2.1
25410	1636257	AI017242	62.6	30.0	22.0	13.0	9.0	2.1	2.4	2.8	1.9
5893	898198	AA598561	119.4	23.0	14.0	5.0	2.0	2.1	1.9	3.8	1.8
6442	277660	N49405	84.1	25.0	14.0	7.0	1.0	2.1	2.4	3.2	1.8
8956	489626	AA099169	52.1	28.0	17.0	4.0	0.0	2.1	2.0	3.0	1.9
11342	858292	AA633993	118.2	20.0	12.0	7.0	3.0	2.1	1.7	3.0	2.0
12181	739155	AA421819	21.5	23.0	14.0	5.0	2.0	2.1	2.6	3.8	1.6
6334	356711	W84560	17.1	10.0	8.0	7.0	7.0	2.1	3.3	4.0	1.4
5269	358675	W94106	346.1	18.0	12.0	5.0	4.0	2.1	1.4	1.2	2.4
12220	47461	H11918	10.3	24.0	17.0	6.0	1.0	2.1	1.4	1.4	2.4
6405	740742	AA479691	19.4	24.0	19.0	4.0	1.0	2.1	1.6	1.4	2.4
11876	33611	R44077	17.9	27.0	19.0	4.0	0.0	2.1	1.3	2.0	2.3
5102	826204	AA521453	38.5	29.0	16.0	3.0	0.0	2.1	1.6	1.6	2.3
9379	270327	N33030	28.4	27.0	18.0	5.0	0.0	2.1	1.7	1.6	2.3
4387	823871	AA490471	80.5	26.0	18.0	7.0	0.0	2.1	1.9	1.4	2.3
12785	250797	H96090	38.4	30.0	17.0	0.0	0.0	2.1	2.0	1.4	2.2
10179	772304	AA404486	345.1	22.0	15.0	6.0	2.0	2.1	1.4	2.4	2.2
21808	360232	AA013099	16.2	14.0	11.0	8.0	5.0	2.1	1.7	2.0	2.2
4480	195091	R91244	20.5	26.0	19.0	6.0	0.0	2.1	2.0	1.6	2.2
16273	624867	AA181898	37.4	27.0	21.0	2.0	0.0	2.1	1.7	2.2	2.2
18290	289832	N63172	67.9	25.0	17.0	4.0	1.0	2.1	2.4	1.2	2.2
1167	230271	H94948	67.7	25.0	18.0	9.0	0.0	2.1	1.7	2.4	2.1
17419	137626	R39669	110.5	21.0	17.0	6.0	2.0	2.1	2.3	1.6	2.1
8042	725188	AA403295	214.4	21.0	15.0	8.0	2.0	2.1	2.0	2.2	2.1
18722	774078	AA441933	10.7	29.0	14.0	5.0	0.0	2.1	2.0	2.2	2.1
18502	713193	AA284634	21.5	24.0	13.0	4.0	2.0	2.1	2.1	2.0	2.1
20122	1472643	AA872341	1436.8	22.0	17.0	10.0	1.0	2.1	2.1	2.0	2.1
5519	949932	AA599175	397.6	22.0	19.0	8.0	1.0	2.1	2.0	2.4	2.0
2568	366966	AA026562	47.3	26.0	18.0	7.0	0.0	2.1	2.7	1.4	2.0
17148	767172	AA424560	23.0	25.0	6.0	3.0	3.0	2.1	2.7	1.6	2.0
27612	41411	R56885	1682.4	28.0	24.0	14.0	9.0	2.1	2.2	3.0	1.8
24549	39833	R53455	32.3	28.0	23.0	15.0	9.0	2.1	2.4	0.5	2.3
22445	32489	R42984	21.8	33.0	18.0	10.0	9.0	2.1	2.0	1.5	2.2

Table 5

23243	435097	AA701314	23.8	36.0	13.0	9.0	9.0	2.1	2.2	2.0	2.1
25486	1602619	AA988798	329.4	29.0	22.0	14.0	9.0	2.1	2.6	2.8	1.8
6515	529185	AA064917	104.6	24.0	17.0	5.0	1.0	2.1	1.7	3.6	1.8
9945	773278	AA425320	42.0	26.0	16.0	8.0	0.0	2.1	1.3	3.0	2.1
4024	146577	R80025	20.4	26.0	15.0	3.0	1.0	2.1	1.7	3.0	2.0
21086	199175	H83283	16.8	25.0	14.0	6.0	1.0	2.1	3.0	2.8	1.6
1330	263200	H99543	15.6	30.0	14.0	2.0	0.0	2.1	1.9	3.0	1.9
6461	51216	H18471	8.9	27.0	19.0	3.0	0.0	2.1	2.6	3.2	1.7
7964	71863	T52564	44.4	24.0	16.0	6.0	1.0	2.1	1.6	4.2	1.8
12052	759163	AA442695	9.9	20.0	12.0	6.0	3.0	2.1	3.4	1.6	1.8
9942	772429	AA405571	8.6	14.0	10.0	8.0	5.0	2.1	3.1	0.8	2.0
6618	283461	N50647	5.8	11.0	9.0	9.0	6.0	2.1	2.9	4.8	1.3
15014	744395	AA621202	50.1	16.0	11.0	9.0	4.0	2.1	0.6	0.0	2.9
15565	140128	R65998	31.0	28.0	11.0	3.0	1.0	2.1	1.3	1.2	2.4
17164	813756	AA453805	55.5	25.0	20.0	6.0	0.0	2.1	1.3	1.2	2.4
8729	502151	AA133273	34.7	20.0	12.0	6.0	3.0	2.1	1.6	1.0	2.4
19305	770346	AA437370	27.8	26.0	16.0	2.0	1.0	2.1	1.4	1.4	2.4
1053	66792	T64938	41.2	29.0	16.0	2.0	0.0	2.1	1.4	1.6	2.3
13139	624379	AA182796	14.5	30.0	13.0	3.0	0.0	2.1	1.1	2.2	2.3
2744	51362	H23978	37.5	23.0	17.0	7.0	1.0	2.1	1.7	1.6	2.2
19999	428215	AA001745	161.6	26.0	18.0	6.0	0.0	2.1	1.6	2.0	2.2
12184	32770	R43323	39.7	21.0	15.0	7.0	2.0	2.1	1.7	1.8	2.2
2425	196189	R91950	53.0	27.0	18.0	4.0	0.0	2.1	1.7	1.8	2.2
10687	529147	AA064946	80.9	23.0	18.0	6.0	1.0	2.1	1.9	1.8	2.2
12298	593793	AA167016	194.2	23.0	20.0	10.0	0.0	2.1	2.0	1.6	2.2
11030	203003	H54417	97.4	27.0	17.0	5.0	0.0	2.1	1.6	2.4	2.1
7524	25162	R38899	5.3	24.0	13.0	3.0	2.0	2.1	2.0	1.8	2.1
5434	115143	T86708	50.9	30.0	13.0	3.0	0.0	2.1	1.6	2.6	2.1
2921	204737	H57309	17.5	29.0	16.0	2.0	0.0	2.1	1.9	2.2	2.1
15705	767261	AA418500	10.9	11.0	9.0	9.0	6.0	2.1	2.0	2.0	2.1
11883	47630	H11376	19.0	29.0	16.0	2.0	0.0	2.1	2.3	1.6	2.1
4651	33949	R44822	46.2	22.0	17.0	9.0	1.0	2.1	1.7	2.6	2.0
5586	203544	H56028	43.8	27.0	19.0	3.0	0.0	2.1	1.9	2.4	2.0
959	795738	AA460286	87.1	24.0	17.0	11.0	0.0	2.1	1.9	2.4	2.0
21727	435573	AA701933	37.9	27.0	19.0	3.0	0.0	2.1	2.0	2.2	2.0
10205	152453	R46296	21.5	28.0	12.0	2.0	1.0	2.1	1.9	2.6	2.0
8360	50806	H17748	15.8	24.0	21.0	7.0	0.0	2.1	2.0	2.4	2.0
11260	83444	T68645	13.3	11.0	9.0	9.0	6.0	2.1	2.0	2.4	2.0
648	199641	R98525	16.9	26.0	18.0	6.0	0.0	2.1	2.3	2.0	2.0
557	32684	R20424	625.6	19.0	15.0	11.0	2.0	2.1	2.6	1.6	2.0
15894	261472	H99035	120.1	21.0	13.0	9.0	2.0	2.1	2.4	2.0	2.0
15588	30683	R18248	15.2	31.0	13.0	1.0	0.0	2.1	2.6	2.2	1.9
20918	265102	N21334	29.9	23.0	19.0	11.0	0.0	2.1	2.6	2.2	1.9
9235	290597	N71692	108.6	28.0	19.0	1.0	0.0	2.1	2.3	2.8	1.8
678	211800	H71092	60.5	25.0	19.0	7.0	0.0	2.1	2.4	2.8	1.8
9320	769686	AA496283	98.1	25.0	21.0	5.0	0.0	2.1	2.9	2.2	1.8
12823	341774	V60701	1653.4	21.0	14.0	8.0	2.0	2.1	2.6	2.8	1.8
24986	379484	AA705735	17.9	33.0	18.0	9.0	9.0	2.0	2.0	0.8	2.3
27536	877772	AA626777	23.4	30.0	24.0	9.0	9.0	2.0	2.2	0.5	2.3
23495	855071	AA630125	35.4	33.0	18.0	9.0	9.0	2.0	1.4	2.0	2.2
23604	866483	AA679509	20.5	31.0	21.0	10.0	9.0	2.0	1.6	1.8	2.2
27347	449198	AA777605	35.1	31.0	20.0	11.0	9.0	2.0	1.6	2.0	2.2
5790	303048	V20479	1792.4	20.0	15.0	8.0	2.0	2.0	1.9	4.8	1.5
12302	841067	AA486770	209.0	23.0	19.0	10.0	0.0	2.0	2.1	3.0	1.8
14540	969914	AA772816	64.3	22.0	20.0	11.0	0.0	2.0	2.3	3.0	1.8
4998	28469	R40897	10.2	23.0	11.0	6.0	2.0	2.0	1.3	6.2	1.4
8821	47169	H10760	5.7	22.0	8.0	5.0	3.0	2.0	0.9	5.6	1.6

Table 5

9728	296448	W00943	19.3	19.0	14.0	5.0	3.0	2.0	4.0	1.8	1.5
6239	504761	AA148734	8.0	20.0	12.0	5.0	3.0	2.0	3.3	0.4	2.0
16563	730587	AA436073	60.7	28.0	15.0	4.0	0.0	2.0	1.0	2.0	2.3
21306	825356	AA504492	41.1	26.0	16.0	7.0	0.0	2.0	1.0	2.0	2.3
1960	136235	R33642	184.8	20.0	16.0	7.0	2.0	2.0	1.7	1.0	2.3
3334	36607	R46837	97.2	22.0	18.0	7.0	1.0	2.0	1.3	1.8	2.3
14864	36354	R25700	10.3	27.0	11.0	4.0	1.0	2.0	1.3	2.0	2.2
4017	245853	N72918	36.2	26.0	20.0	3.0	0.0	2.0	1.6	1.6	2.2
3579	565235	AA136125	70.7	27.0	18.0	3.0	0.0	2.0	1.4	2.0	2.2
3259	788745	AA449975	52.1	25.0	20.0	5.0	0.0	2.0	1.7	1.8	2.2
9280	486984	AA043997	25.7	28.0	11.0	2.0	1.0	2.0	1.9	1.6	2.2
16067	768590	AA425116	26.9	19.0	10.0	9.0	3.0	2.0	1.9	1.6	2.2
4096	141209	R66533	22.4	26.0	17.0	6.0	0.0	2.0	2.0	1.4	2.2
4590	235008	H79221	20.7	27.0	19.0	2.0	0.0	2.0	2.0	1.4	2.2
7545	856902	AA659603	60.0	26.0	16.0	7.0	0.0	2.0	2.0	1.4	2.2
11203	782277	AA431749	28.1	29.0	16.0	1.0	0.0	2.0	1.6	2.2	2.1
19325	267539	N33979	20.3	31.0	10.0	3.0	0.0	2.0	1.7	2.0	2.1
20758	298769	W05088	63.4	28.0	16.0	3.0	0.0	2.0	1.7	2.0	2.1
3616	140289	R67915	123.9	26.0	18.0	5.0	0.0	2.0	1.6	2.4	2.1
272	137506	R39405	26.1	30.0	15.0	0.0	0.0	2.0	1.9	2.0	2.1
840	300590	W07537	46.1	26.0	18.0	5.0	0.0	2.0	1.9	2.0	2.1
3486	810600	AA464729	42.1	27.0	18.0	3.0	0.0	2.0	1.9	2.0	2.1
4760	787938	AA452278	10.1	25.0	18.0	7.0	0.0	2.0	2.0	1.8	2.1
19361	50743	H17927	71.8	26.0	20.0	3.0	0.0	2.0	1.9	2.2	2.0
11186	415535	W78782	19.9	25.0	15.0	4.0	1.0	2.0	1.9	2.2	2.0
7946	745360	AA625662	57.7	24.0	15.0	6.0	1.0	2.0	2.0	2.0	2.0
16609	840766	AA486067	54.9	25.0	17.0	8.0	0.0	2.0	2.0	2.0	2.0
5307	320392	W16832	15.8	26.0	14.0	3.0	1.0	2.0	1.9	2.4	2.0
762	814270	AA458994	30.0	27.0	16.0	5.0	0.0	2.0	1.9	2.4	2.0
9431	69046	T53726	62.8	29.0	16.0	1.0	0.0	2.0	2.0	2.2	2.0
4395	591266	AA159194	21.0	29.0	17.0	0.0	0.0	2.0	2.1	2.0	2.0
6784	41789	R59255	11.8	27.0	16.0	5.0	0.0	2.0	2.3	1.8	2.0
14614	566339	AA149707	47.8	25.0	18.0	7.0	0.0	2.0	1.9	2.6	2.0
13170	772447	AA405559	68.2	23.0	20.0	9.0	0.0	2.0	1.9	2.6	2.0
15484	897773	AA598515	26.8	23.0	19.0	10.0	0.0	2.0	1.9	2.6	2.0
3419	121251	T96718	89.7	26.0	17.0	6.0	0.0	2.0	2.0	2.6	1.9
11022	295986	N67038	113.9	23.0	20.0	9.0	0.0	2.0	2.0	2.6	1.9
12795	730346	AA469923	97.4	23.0	18.0	11.0	0.0	2.0	2.0	2.6	1.9
17486	1031372	AA609127	27.9	30.0	15.0	0.0	0.0	2.0	2.1	2.4	1.9
1666	774751	AA442206	16.9	28.0	16.0	3.0	0.0	2.0	2.1	2.6	1.9
7848	855749	AA663983	552.3	18.0	17.0	9.0	2.0	2.0	1.9	3.2	1.8
4383	80410	T65790	176.3	20.0	15.0	13.0	1.0	2.0	2.0	3.4	1.7
7222	530035	AA070661	200.5	20.0	11.0	5.0	3.0	2.0	4.0	3.2	1.2
18671	506016	AA708440	125.6	16.0	10.0	8.0	4.0	2.0	3.1	1.2	1.8
4663	362729	AA018659	25.7	20.0	14.0	8.0	2.0	2.0	4.1	2.0	1.4
20894	362402	AA018477	6.4	19.0	17.0	7.0	2.0	2.0	4.1	1.8	1.4
5030	207920	H60468	29.1	16.0	10.0	8.0	4.0	2.0	1.6	3.4	1.8
17762	743242	AA400225	5.1	16.0	12.0	6.0	4.0	2.0	0.0	2.6	2.4
10987	825170	AA504160	22.7	26.0	13.0	3.0	1.0	2.0	1.3	1.4	2.3
2776	35185	R24969	182.6	21.0	18.0	8.0	1.0	2.0	1.4	1.2	2.3
14542	34905	R45116	59.8	23.0	17.0	5.0	1.0	2.0	1.7	0.8	2.3
17250	726989	AA398482	23.8	27.0	17.0	3.0	0.0	2.0	1.7	0.8	2.3
19404	162077	H25689	22.3	28.0	15.0	3.0	0.0	2.0	1.3	1.6	2.3
2974	128054	R09634	34.7	28.0	18.0	0.0	0.0	2.0	1.4	1.4	2.3
14031	726768	AA398366	30.2	28.0	15.0	3.0	0.0	2.0	1.7	1.0	2.3
3263	897690	AA598758	345.7	18.0	12.0	8.0	3.0	2.0	1.7	1.0	2.3
3262	949940	AA599178	848.9	18.0	14.0	12.0	2.0	2.0	1.6	1.4	2.2

Table 5

22901	51920	H22927	60.2	26.0	20.0	14.0	10.0	2.0	2.0	1.0	2.2
5842	770355	AA437389	36.9	29.0	16.0	0.0	0.0	2.0	1.1	2.2	2.2
22257	859228	AA666366	110.8	23.0	14.0	8.0	1.0	2.0	1.3	2.0	2.2
18018	785342	AA449165	63.7	25.0	17.0	7.0	0.0	2.0	1.3	2.2	2.2
5161	898242	AA598621	84.6	20.0	16.0	6.0	2.0	2.0	1.3	2.2	2.2
18664	814235	AA465598	119.1	25.0	17.0	7.0	0.0	2.0	1.7	1.6	2.2
27777	51021	H19109	28.3	29.0	21.0	13.0	9.0	2.0	1.4	2.0	2.2
1425	144926	R78559	124.3	24.0	18.0	8.0	0.0	2.0	1.7	1.8	2.1
3342	142944	R71124	21.7	29.0	15.0	1.0	0.0	2.0	1.9	1.6	2.1
11486	729929	AA399022	46.9	26.0	17.0	5.0	0.0	2.0	1.9	1.6	2.1
5871	843140	AA485516	208.7	26.0	19.0	3.0	0.0	2.0	1.9	1.6	2.1
17911	785930	AA448557	18.8	29.0	11.0	5.0	0.0	2.0	2.1	1.2	2.1
24603	435948	AA701963	72.5	27.0	22.0	16.0	9.0	2.0	2.4	1.0	2.1
11835	743146	AA399973	17.1	31.0	11.0	1.0	0.0	2.0	1.7	2.0	2.1
7837	323950	W46415	34.3	29.0	15.0	1.0	0.0	2.0	1.9	1.8	2.1
18690	810550	AA464657	66.1	23.0	16.0	6.0	1.0	2.0	1.9	1.8	2.1
26158	1607039	AA988313	111.0	28.0	24.0	12.0	9.0	2.0	1.8	2.0	2.1
724	487929	AA046513	20.3	29.0	15.0	1.0	0.0	2.0	1.4	2.6	2.0
14650	840884	AA482326	48.3	22.0	16.0	8.0	1.0	2.0	1.6	2.4	2.0
16631	626208	AA188789	230.0	23.0	18.0	10.0	0.0	2.0	1.7	2.2	2.0
710	247635	N58163	35.4	26.0	20.0	2.0	0.0	2.0	2.0	1.8	2.0
7218	295551	W23574	152.2	23.0	19.0	9.0	0.0	2.0	1.7	2.4	2.0
2331	22918	R45255	82.7	22.0	18.0	6.0	1.0	2.0	2.0	2.0	2.0
7390	782812	AA448251	12.2	10.0	9.0	9.0	6.0	2.0	2.0	2.0	2.0
920	172440	H20233	26.3	25.0	18.0	6.0	0.0	2.0	1.7	2.6	2.0
26791	1455561	AA863093	37.5	31.0	21.0	9.0	9.0	2.0	2.2	2.0	1.9
24705	1603404	AA987621	52.3	28.0	22.0	14.0	9.0	2.0	2.4	1.8	1.9
13209	505203	AA151125	40.9	26.0	18.0	4.0	0.0	2.0	1.9	2.6	1.9
9004	770444	AA427447	47.8	23.0	18.0	10.0	0.0	2.0	1.9	2.6	1.9
2409	810039	AA455281	139.2	24.0	20.0	6.0	0.0	2.0	2.0	2.4	1.9
13268	823925	AA490216	54.8	25.0	17.0	7.0	0.0	2.0	2.0	2.4	1.9
9506	837904	AA434360	1205.6	23.0	17.0	11.0	0.0	2.0	2.1	2.2	1.9
11983	503545	AA131248	11.4	13.0	10.0	8.0	5.0	2.0	2.9	1.4	1.9
22287	489509	AA099148	29.7	32.0	19.0	9.0	9.0	2.0	2.8	1.8	1.8
4740	789049	AA452909	42.6	27.0	20.0	0.0	0.0	2.0	2.1	2.6	1.8
4980	341834	W60905	178.7	19.0	17.0	7.0	2.0	2.0	2.3	2.6	1.8
16802	28774	R40244	8.1	27.0	16.0	4.0	0.0	2.0	2.6	2.2	1.8
6745	470279	AA028905	22.0	29.0	12.0	4.0	0.0	2.0	2.6	2.2	1.8
13396	1461138	AA868008	426.4	21.0	13.0	7.0	2.0	2.0	2.4	2.6	1.8
8490	108915	T78942	11.4	22.0	13.0	5.0	2.0	2.0	2.7	2.2	1.8
21769	590145	AA156202	68.2	21.0	18.0	7.0	1.0	2.0	0.9	3.0	2.1
19187	134430	R32025	11.5	25.0	7.0	4.0	2.0	2.0	3.1	2.0	1.6
20358	826301	AA521015	19.9	19.0	11.0	6.0	3.0	2.0	1.7	3.0	1.8
7655	627417	AA190339	97.8	26.0	15.0	6.0	0.0	2.0	1.3	1.0	2.4
1595	511832	AA088420	32.5	29.0	14.0	1.0	0.0	2.0	1.4	1.0	2.3
14538	796442	AA459980	38.6	26.0	17.0	4.0	0.0	2.0	1.4	1.0	2.3
11160	364436	AA022886	24.8	29.0	13.0	2.0	0.0	2.0	1.1	1.6	2.3
10500	769890	AA430382	69.7	26.0	17.0	4.0	0.0	2.0	1.3	1.4	2.3
16918	729924	AA399633	20.2	26.0	15.0	6.0	0.0	2.0	1.7	0.8	2.3
5499	46054	H08933	29.7	13.0	9.0	8.0	5.0	2.0	1.0	2.0	2.2
4382	613126	AA190583	26.4	25.0	18.0	5.0	0.0	2.0	1.1	2.0	2.2
2784	197888	R96220	408.7	16.0	15.0	8.0	3.0	2.0	1.4	1.8	2.2
14897	767078	AA424369	61.6	25.0	19.0	4.0	0.0	2.0	1.6	1.6	2.2
111	840517	AA487815	58.7	24.0	19.0	6.0	0.0	2.0	1.7	1.4	2.2
11494	843163	AA488367	90.5	18.0	12.0	7.0	3.0	2.0	0.9	2.8	2.1
7257	50722	H17520	9.5	26.0	13.0	2.0	1.0	2.0	1.4	2.0	2.1
21387	242952	H95712	200.3	20.0	12.0	9.0	2.0	2.0	1.6	1.8	2.1



Table 5

21720	815040	AA465269	224.5	22.0	15.0	8.0	1.0	2.0	1.6	1.8	2.1
18703	148763	H12845	85.0	23.0	19.0	8.0	0.0	2.0	1.9	1.4	2.1
12523	1031745	AA609608	35.9	30.0	11.0	2.0	0.0	2.0	2.0	1.2	2.1
2485	753610	AA478589	42.3	24.0	17.0	8.0	0.0	2.0	1.6	2.0	2.1
22205	272576	N43976	62.8	25.0	15.0	8.0	0.0	2.0	1.9	1.6	2.1
8299	742565	AA401345	47.1	23.0	17.0	10.0	0.0	2.0	2.0	1.4	2.1
17605	823723	AA490192	23.2	24.0	15.0	4.0	1.0	2.0	2.0	1.4	2.1
14514	788714	AA451754	124.4	24.0	17.0	8.0	0.0	2.0	1.6	2.2	2.0
3927	40567	R55250	44.1	21.0	14.0	11.0	1.0	2.0	1.7	2.0	2.0
8444	795250	AA451790	35.9	25.0	19.0	4.0	0.0	2.0	1.7	2.0	2.0
4936	259462	N29545	68.1	24.0	19.0	6.0	0.0	2.0	1.9	1.8	2.0
1726	81599	T65861	62.6	25.0	18.0	5.0	0.0	2.0	2.0	1.6	2.0
5999	131563	R24224	20.7	23.0	16.0	11.0	0.0	2.0	2.1	1.4	2.0
18191	796739	AA460890	68.7	26.0	19.0	2.0	0.0	2.0	1.6	2.4	2.0
2807	841370	AA487739	86.8	24.0	18.0	7.0	0.0	2.0	1.7	2.2	2.0
1494	753381	AA410260	26.2	29.0	15.0	0.0	0.0	2.0	1.9	2.0	2.0
19372	827185	AA521313	11.8	10.0	9.0	8.0	6.0	2.0	1.9	2.0	2.0
18735	148810	H13428	26.3	28.0	15.0	2.0	0.0	2.0	2.1	1.6	2.0
12912	753092	AA436595	82.6	29.0	13.0	2.0	0.0	2.0	1.6	2.6	2.0
20572	815251	AA481281	20.4	28.0	15.0	2.0	0.0	2.0	1.7	2.4	2.0
144	322617	W39343	23.7	28.0	17.0	0.0	0.0	2.0	2.4	1.4	2.0
16746	731020	AA421356	65.9	23.0	18.0	9.0	0.0	2.0	1.7	2.6	1.9
2443	785793	AA449037	167.6	24.0	18.0	7.0	0.0	2.0	1.9	2.4	1.9
2022	898032	AA598942	56.6	23.0	17.0	10.0	0.0	2.0	1.9	2.4	1.9
4336	358468	W94868	23.8	28.0	13.0	4.0	0.0	2.0	2.3	1.8	1.9
7078	502287	AA156850	32.4	28.0	16.0	1.0	0.0	2.0	1.7	2.8	1.9
13193	951241	AA620485	49.7	22.0	18.0	5.0	1.0	2.0	1.9	2.6	1.9
14910	786069	AA448660	50.1	25.0	16.0	7.0	0.0	2.0	2.0	2.4	1.9
15167	897422	AA489463	21.6	27.0	16.0	3.0	0.0	2.0	2.0	2.4	1.9
14466	811603	AI732784	103.2	22.0	20.0	9.0	0.0	2.0	2.1	2.2	1.9
4692	49860	H29474	10.2	23.0	15.0	6.0	1.0	2.0	2.7	1.4	1.9
19926	825606	AA504719	21.2	23.0	16.0	5.0	1.0	2.0	2.1	2.4	1.8
12549	38816	R36063	889.6	22.0	16.0	7.0	1.0	2.0	2.1	2.6	1.8
19328	454698	AA677200	32.3	25.0	18.0	5.0	0.0	2.0	2.4	2.6	1.7
15304	399318	AA774638	233.1	20.0	14.0	7.0	2.0	2.0	2.6	2.4	1.7
23256	773308	AA425582	38.6	30.0	21.0	10.0	9.0	2.0	1.8	1.8	2.1
23464	50282	H17600	29.1	30.0	21.0	10.0	9.0	2.0	2.2	1.5	2.0
26980	40227	R53062	11.7	30.0	19.0	12.0	9.0	2.0	2.4	1.5	1.9
26763	1622314	AI016293	33.8	28.0	25.0	10.0	9.0	2.0	1.8	2.5	1.9
24670	1460130	AA864496	64.1	28.0	22.0	13.0	9.0	2.0	2.0	2.5	1.8
23149	32567	R43511	28.6	26.0	21.0	18.0	9.0	2.0	2.6	2.8	1.6
2860	471196	AA034213	63.9	25.0	17.0	5.0	0.0	1.9	2.3	3.0	1.6
7536	32788	R43550	14.0	26.0	15.0	5.0	0.0	1.9	2.3	3.0	1.6
11643	302221	W16778	20.2	8.0	7.0	7.0	7.0	1.9	4.6	4.0	0.8
2061	525566	AA064668	24.6	8.0	7.0	7.0	7.0	1.9	0.0	2.0	2.5
14971	42485	R67157	8.0	25.0	8.0	2.0	2.0	1.9	0.9	1.0	2.4
7502	796197	AA461435	23.0	25.0	13.0	3.0	1.0	1.9	1.0	1.4	2.3
17975	666254	AA233790	31.0	28.0	15.0	1.0	0.0	1.9	1.4	1.0	2.3
20678	197727	R94542	12.0	18.0	10.0	8.0	3.0	1.9	1.3	1.6	2.2
16037	813807	AA447885	25.1	10.0	9.0	7.0	6.0	1.9	0.9	2.4	2.2
16839	1323432	AA873599	18.8	25.0	19.0	3.0	0.0	1.9	1.1	2.0	2.2
22271	701710	AA287187	26.7	19.0	11.0	5.0	3.0	1.9	2.0	0.8	2.2
19571	325088	W47088	42.9	26.0	18.0	2.0	0.0	1.9	1.3	2.0	2.1
11526	121136	T98924	14.4	24.0	18.0	6.0	0.0	1.9	1.7	1.4	2.1
11136	41123	R58948	29.3	21.0	15.0	9.0	1.0	1.9	1.9	1.2	2.1
10647	51921	H22928	22.6	23.0	17.0	9.0	0.0	1.9	2.0	1.0	2.1
11292	154720	R55219	6.8	19.0	10.0	6.0	3.0	1.9	2.1	0.8	2.1

Table 5

7539	40303	R52961	13.8	24.0	16.0	2.0	1.0	1.9	1.7	1.6	2.1
4878	42313	R60946	94.3	22.0	15.0	7.0	1.0	1.9	1.9	1.4	2.1
18086	731016	AA421256	6.3	21.0	12.0	6.0	2.0	1.9	2.0	1.2	2.1
3070	132140	R26163	32.0	25.0	12.0	4.0	1.0	1.9	2.1	1.0	2.1
5125	503097	AA151486	51.8	27.0	18.0	0.0	0.0	1.9	1.4	2.2	2.0
5134	810703	AA457697	166.4	25.0	17.0	5.0	0.0	1.9	1.7	1.8	2.0
3900	810734	AA480820	76.0	23.0	16.0	10.0	0.0	1.9	1.9	1.6	2.0
2109	826077	AA521401	48.4	23.0	18.0	8.0	0.0	1.9	1.9	1.6	2.0
15782	488390	AA046650	65.9	22.0	19.0	9.0	0.0	1.9	2.1	1.2	2.0
3632	205049	H57494	20.0	28.0	14.0	2.0	0.0	1.9	1.1	2.8	2.0
10878	136676	R35078	29.5	27.0	18.0	0.0	0.0	1.9	1.6	2.4	2.0
17831	510170	AA053129	116.8	22.0	19.0	3.0	1.0	1.9	1.6	2.4	2.0
3956	774754	AA442200	128.7	24.0	20.0	4.0	0.0	1.9	1.7	2.2	2.0
4021	771308	AA443630	84.3	24.0	16.0	8.0	0.0	1.9	1.9	2.0	2.0
4373	838802	AA464908	88.6	25.0	18.0	4.0	0.0	1.9	1.9	2.0	2.0
11074	755581	AA419143	71.0	24.0	18.0	6.0	0.0	1.9	2.0	1.8	2.0
4583	795499	AA454214	12.6	30.0	11.0	1.0	0.0	1.9	2.0	1.8	2.0
4068	136117	R33122	24.2	28.0	15.0	1.0	0.0	1.9	2.1	1.6	2.0
11057	47080	H10605	18.7	25.0	16.0	6.0	0.0	1.9	2.3	1.4	2.0
18659	505904	AA778276	26.8	23.0	9.0	5.0	2.0	1.9	2.6	1.0	2.0
16446	786544	AA452345	76.0	23.0	18.0	8.0	0.0	1.9	1.7	2.4	1.9
20715	432075	AA679286	13.3	9.0	9.0	9.0	6.0	1.9	2.0	2.0	1.9
18816	454446	AA677309	13.1	9.0	9.0	9.0	6.0	1.9	2.0	2.0	1.9
4872	139689	R64008	16.9	25.0	18.0	4.0	0.0	1.9	2.9	0.8	1.9
4278	180864	R87840	12.1	10.0	8.0	8.0	6.0	1.9	2.9	0.8	1.9
20780	452363	AA700879	23.4	26.0	11.0	3.0	1.0	1.9	1.7	2.6	1.9
1667	814776	AA455225	87.1	25.0	19.0	3.0	0.0	1.9	2.0	2.2	1.9
9533	52749	H29682	17.8	28.0	13.0	3.0	0.0	1.9	2.1	2.0	1.9
15667	42400	R61617	22.4	25.0	16.0	6.0	0.0	1.9	1.9	2.8	1.8
22539	433469	AA699568	23.2	31.0	18.0	10.0	9.0	1.9	1.2	1.3	2.3
26143	744952	AA625894	131.4	26.0	21.0	17.0	9.0	1.9	1.2	1.8	2.2
22683	487424	AA046609	34.6	32.0	17.0	9.0	9.0	1.9	2.0	1.5	2.0
26467	773287	AA425534	126.4	27.0	24.0	12.0	9.0	1.9	1.8	2.0	1.9
22723	487733	AA058818	148.1	26.0	25.0	13.0	9.0	1.9	1.8	2.3	1.9
26804	1472479	AA872257	98.0	28.0	22.0	12.0	9.0	1.9	2.0	2.0	1.9
24889	854763	AA630513	32.1	31.0	18.0	10.0	9.0	1.9	2.0	2.3	1.8
27812	1575008	AA968514	157.6	27.0	23.0	13.0	9.0	1.9	2.4	2.5	1.7
27689	868282	AA633957	86.1	28.0	21.0	13.0	9.0	1.9	2.6	2.5	1.6
25965	121196	T97170	83.3	27.0	22.0	14.0	9.0	1.9	2.8	2.5	1.6
8647	781089	AA430241	75.6	22.0	13.0	8.0	1.0	1.9	1.9	3.2	1.7
19658	1046495	AA621138	59.6	20.0	12.0	7.0	2.0	1.9	2.0	3.4	1.6
4270	46786	H09811	75.0	25.0	15.0	6.0	0.0	1.9	2.1	3.2	1.6
20338	824911	AA489022	40.5	20.0	14.0	5.0	2.0	1.9	4.0	1.6	1.4
6876	897593	AA496844	17.0	22.0	11.0	4.0	2.0	1.9	0.9	0.8	2.4
12641	754449	AA410480	17.6	27.0	11.0	6.0	0.0	1.9	1.0	0.8	2.4
20688	384116	AA702561	30.4	23.0	14.0	5.0	1.0	1.9	1.3	1.0	2.3
415	770884	AA434406	78.4	21.0	16.0	7.0	1.0	1.9	1.3	1.2	2.2
20583	878200	AA775749	104.5	26.0	16.0	3.0	0.0	1.9	1.4	1.2	2.2
9299	811605	AA454617	43.2	21.0	15.0	8.0	1.0	1.9	1.6	1.2	2.2
22032	824376	AA489696	5.9	14.0	10.0	9.0	4.0	1.9	1.9	0.8	2.2
9331	264157	20602::N28998	7.2	20.0	12.0	7.0	2.0	1.9	1.4	1.6	2.1
3254	841044	AA486746	232.3	20.0	16.0	9.0	1.0	1.9	1.6	1.4	2.1
7155	41208	R56773	32.1	24.0	19.0	4.0	0.0	1.9	2.1	0.6	2.1
5059	767798	AA418755	65.7	25.0	16.0	5.0	0.0	1.9	1.3	2.0	2.1
7972	62093	T40203	111.5	26.0	17.0	2.0	0.0	1.9	1.6	1.6	2.1
3854	321661	W32943	42.6	25.0	18.0	3.0	0.0	1.9	1.4	2.4	2.0
2471	810552	AA464567	78.9	22.0	18.0	9.0	0.0	1.9	1.6	2.2	2.0

Table 5

14955	42452	R59752	614.6	21.0	14.0	9.0	1.0	1.9	1.7	2.0	2.0
10153	758347	AA403072	21.4	26.0	15.0	4.0	0.0	1.9	1.9	1.8	2.0
14578	796495	AA463797	21.7	23.0	17.0	2.0	1.0	1.9	2.0	1.6	2.0
11740	78148	T61649	104.1	23.0	19.0	6.0	0.0	1.9	2.1	1.4	2.0
15620	767268	AA418493	73.0	25.0	12.0	3.0	1.0	1.9	1.6	2.4	1.9
20126	195971	R92654	16.6	24.0	17.0	6.0	0.0	1.9	1.4	2.8	1.9
1844	429047	AA007509	39.8	26.0	18.0	1.0	0.0	1.9	2.3	1.6	1.9
17441	626793	AA191294	95.2	20.0	17.0	8.0	1.0	1.9	1.9	2.4	1.8
16436	1486082	AA936757	12.4	27.0	13.0	4.0	0.0	1.9	1.9	2.4	1.8
12453	489794	AA099288	24.9	28.0	13.0	2.0	0.0	1.9	2.1	2.0	1.8
7679	730405	AA421624	12.2	26.0	9.0	4.0	1.0	1.9	2.1	2.0	1.8
21673	263883	H99845	16.7	20.0	15.0	10.0	1.0	1.9	2.6	1.4	1.8
18442	486076	AA040879	33.9	29.0	12.0	1.0	0.0	1.9	2.0	2.4	1.8
2672	343990	W70229	15.1	30.0	10.0	1.0	0.0	1.9	2.4	2.0	1.8
6634	137275	R36586	52.8	30.0	11.0	0.0	0.0	1.9	2.0	2.8	1.7
2415	824382	AA489699	52.3	26.0	18.0	1.0	0.0	1.9	2.0	2.8	1.7
18185	757368	AA437126	10.7	9.0	9.0	8.0	6.0	1.9	2.9	2.0	1.6
10168	343736	W69211	17.1	22.0	14.0	7.0	1.0	1.9	2.7	2.6	1.6
26151	744962	AA625907	138.5	26.0	23.0	14.0	9.0	1.9	1.0	1.8	2.2
25744	1558505	AA976184	33.8	31.0	17.0	10.0	9.0	1.9	2.0	1.0	2.1
22486	266210	N35533	25.8	32.0	16.0	9.0	9.0	1.9	1.6	1.8	2.0
23414	1573108	AA970731	8.0	28.0	21.0	12.0	9.0	1.9	2.2	1.5	1.9
23942	283329	N51438	22.6	31.0	18.0	9.0	9.0	1.9	1.6	2.5	1.8
26646	306743	N91767	58.4	29.0	19.0	12.0	9.0	1.9	2.4	2.0	1.7
18356	755474	AA419192	129.1	24.0	17.0	5.0	0.0	1.9	1.6	3.0	1.8
7016	503338	AA130278	27.8	18.0	11.0	5.0	3.0	1.9	3.6	5.8	0.6
8041	51469	H23985	24.0	19.0	15.0	11.0	1.0	1.9	1.7	3.2	1.7
21818	815284	AA481543	15.5	19.0	12.0	8.0	2.0	1.9	4.4	2.0	1.2
10912	742064	AA405748	29.0	22.0	16.0	4.0	1.0	1.9	3.4	0.6	1.7
3637	363569	AA019996	44.5	7.0	7.0	7.0	7.0	1.9	0.0	2.0	2.4
3605	897669	AA496810	35.6	7.0	7.0	7.0	7.0	1.9	0.0	2.0	2.4
15063	838982	AA487391	21.8	26.0	9.0	3.0	1.0	1.9	0.9	1.0	2.4
15355	768489	AA495981	15.0	28.0	10.0	4.0	0.0	1.9	0.6	1.8	2.3
22269	859832	AA668531	36.2	20.0	13.0	5.0	2.0	1.9	0.7	1.6	2.3
2487	897774	AA598510	61.5	21.0	13.0	3.0	2.0	1.9	1.1	1.2	2.2
18429	823932	AA490210	14.4	25.0	12.0	2.0	1.0	1.9	1.3	1.2	2.2
14509	813584	AA447661	45.6	27.0	15.0	1.0	0.0	1.9	1.3	1.4	2.2
9116	46353	H09747	6.9	26.0	16.0	2.0	0.0	1.9	1.4	1.2	2.2
10683	261714	H98822	32.6	28.0	14.0	0.0	0.0	1.9	1.4	1.2	2.2
303	110503	T82817	19.0	21.0	15.0	7.0	1.0	1.9	1.6	1.0	2.2
15064	429128	AA004806	26.7	24.0	15.0	1.0	1.0	1.9	1.1	1.8	2.1
21253	271021	N42822	54.5	23.0	14.0	4.0	1.0	1.9	1.4	1.6	2.1
10625	49548	H15431	244.0	22.0	15.0	5.0	1.0	1.9	1.6	1.4	2.1
2113	124116	R01340	35.4	28.0	10.0	4.0	0.0	1.9	1.4	1.8	2.0
6647	327228	W24833	44.5	27.0	15.0	1.0	0.0	1.9	1.4	1.8	2.0
19626	704046	AA279168	21.4	24.0	17.0	5.0	0.0	1.9	1.4	1.8	2.0
3211	795543	AA459663	116.2	23.0	16.0	8.0	0.0	1.9	1.6	1.6	2.0
14056	42827	R60426	87.9	20.0	15.0	9.0	1.0	1.9	1.9	1.2	2.0
7658	23394	R39234	7.6	25.0	9.0	5.0	1.0	1.9	1.9	1.4	2.0
6230	359795	AA010797	13.9	26.0	12.0	6.0	0.0	1.9	1.6	2.0	2.0
7251	32376	R17959	34.3	23.0	17.0	7.0	0.0	1.9	1.6	2.2	1.9
8830	509564	AA045573	40.8	25.0	14.0	6.0	0.0	1.9	1.6	2.2	1.9
14028	767206	AA424586	139.8	25.0	14.0	6.0	0.0	1.9	1.8	2.2	1.9
2655	309776	W23795	42.3	30.0	10.0	0.0	0.0	1.9	1.7	2.0	1.9
16143	283312	N54763	301.6	21.0	15.0	7.0	1.0	1.9	1.9	1.8	1.9
718	138865	R62742	52.1	25.0	16.0	4.0	0.0	1.9	1.4	2.6	1.9
4391	221172	H91869	20.1	28.0	11.0	3.0	0.0	1.9	1.4	2.6	1.9

Table 5

295	22074	T66264	18.9	27.0	13.0	3.0	0.0	1.9	1.7	2.2	1.9
12127	61474	T40936	8.3	27.0	13.0	3.0	0.0	1.9	1.7	2.2	1.9
19183	149288	R82644	40.8	24.0	17.0	5.0	0.0	1.9	1.9	2.0	1.9
1693	194384	R82957	400.9	23.0	17.0	7.0	0.0	1.9	1.9	2.0	1.9
2033	898262	AA598670	257.4	22.0	17.0	9.0	0.0	1.9	2.3	1.4	1.9
1331	782811	AA448261	102.2	21.0	14.0	8.0	1.0	1.9	1.6	2.6	1.8
2048	66594	T67103	10.7	11.0	9.0	9.0	5.0	1.9	2.0	2.0	1.8
15131	626343	AA188563	99.7	22.0	17.0	9.0	0.0	1.9	2.0	2.0	1.8
1079	172440	H20233	37.6	26.0	14.0	4.0	0.0	1.9	1.7	2.6	1.8
11415	85060	T74688	59.1	23.0	16.0	8.0	0.0	1.9	2.0	2.2	1.8
17079	244347	N75741	71.3	23.0	14.0	10.0	0.0	1.9	2.0	2.2	1.8
14470	266336	N35660	15.7	19.0	12.0	8.0	2.0	1.9	2.4	1.6	1.8
2815	51702	H22856	39.8	22.0	17.0	9.0	0.0	1.9	1.9	2.6	1.8
11091	796767	AA460732	11.6	26.0	10.0	2.0	1.0	1.9	2.3	2.0	1.8
4977	201393	R99627	37.4	25.0	19.0	1.0	0.0	1.9	2.3	2.2	1.7
8363	328567	W40150	52.6	24.0	16.0	6.0	0.0	1.9	2.1	2.6	1.7
1872	291097	W00385	10.4	9.0	8.0	8.0	6.0	1.9	2.9	2.0	1.6
13553	592523	AA160484	14.6	9.0	9.0	7.0	6.0	1.9	2.9	2.0	1.6
7424	853906	AA644657	1563.8	18.0	15.0	7.0	2.0	1.9	2.6	2.6	1.6
14723	591143	AA158374	176.8	21.0	13.0	9.0	1.0	1.9	2.9	2.4	1.5
19910	825416	AA504265	70.5	17.0	14.0	10.0	2.0	1.9	2.9	2.8	1.4
818	812965	AA464600	79.1	19.0	16.0	9.0	1.0	1.9	1.3	4.4	1.5
7938	41358	R59166	36.2	24.0	17.0	4.0	0.0	1.9	2.0	3.0	1.6
11457	40537	R53146	5.4	15.0	8.0	7.0	4.0	1.9	0.3	5.2	1.6
6301	322443	W39215	32.2	22.0	10.0	3.0	2.0	1.9	0.4	4.4	1.8
16598	253132	H89036	11.1	21.0	11.0	4.0	2.0	1.9	0.4	0.4	2.6
20305	855707	AA663941	43.3	23.0	15.0	8.0	0.0	1.9	1.3	0.0	2.4
15820	626585	AA191573	30.4	24.0	10.0	5.0	1.0	1.9	0.9	1.8	2.2
5004	471266	AA033564	40.3	25.0	16.0	3.0	0.0	1.9	1.7	0.8	2.1
13242	510088	AA053035	24.9	25.0	14.0	5.0	0.0	1.9	1.4	1.4	2.1
16075	768643	AA430351	123.7	24.0	16.0	5.0	0.0	1.9	1.4	1.4	2.1
14416	753330	AA410263	43.7	26.0	15.0	2.0	0.0	1.9	1.1	2.0	2.0
9044	50469	H16919	17.2	26.0	16.0	1.0	0.0	1.9	1.3	1.8	2.0
6379	949971	AA600217	419.6	21.0	16.0	11.0	0.0	1.9	1.7	1.2	2.0
11934	795262	AA453997	14.5	26.0	12.0	5.0	0.0	1.9	2.0	0.8	2.0
4090	123262	R00431	24.0	28.0	13.0	0.0	0.0	1.9	1.4	1.8	2.0
7736	273075	N44296	18.6	25.0	9.0	4.0	1.0	1.9	1.4	1.8	2.0
5484	42880	R59807	13.9	26.0	14.0	3.0	0.0	1.9	1.6	1.6	2.0
4761	109708	T82077	8.7	25.0	11.0	2.0	1.0	1.9	1.6	1.6	2.0
13462	796240	AA460666	19.5	25.0	16.0	3.0	0.0	1.9	1.6	1.6	2.0
1582	549101	AA083485	462.0	21.0	17.0	10.0	0.0	1.9	1.7	1.4	2.0
19085	725109	AA404666	19.1	26.0	15.0	2.0	0.0	1.9	1.6	1.8	2.0
10102	133041	R26317	23.1	26.0	12.0	5.0	0.0	1.9	2.0	1.2	2.0
3859	50188	H17943	43.1	22.0	17.0	8.0	0.0	1.9	1.3	2.4	1.9
5331	488303	AA128376	29.1	25.0	16.0	3.0	0.0	1.9	1.4	2.2	1.9
3171	840404	AA485780	35.0	26.0	13.0	4.0	0.0	1.9	1.4	2.2	1.9
12233	840967	AA486658	15.5	21.0	14.0	7.0	1.0	1.9	1.7	1.8	1.9
15169	277492	N34500	35.5	29.0	10.0	1.0	0.0	1.9	1.9	1.6	1.9
3371	143169	R73759	16.2	25.0	12.0	7.0	0.0	1.9	1.7	2.0	1.9
7212	509941	AA052959	130.4	24.0	17.0	4.0	0.0	1.9	1.7	2.0	1.9
4142	234468	H94819	81.5	22.0	16.0	3.0	1.0	1.9	1.9	1.8	1.9
4632	811842	AA443177	110.8	26.0	14.0	3.0	0.0	1.9	1.9	2.0	1.8
3190	80772	T63031	74.6	22.0	18.0	7.0	0.0	1.9	2.0	2.0	1.8
16117	823575	AA497122	21.5	28.0	12.0	1.0	0.0	1.9	2.0	2.0	1.8
4880	139708	R63925	16.9	24.0	14.0	1.0	1.0	1.9	2.0	2.2	1.8
19489	395898	AA757464	102.2	23.0	16.0	7.0	0.0	1.9	2.1	2.0	1.8
4726	825442	AA504327	186.2	25.0	13.0	6.0	0.0	1.9	2.1	2.0	1.8

Table 5

8685	882497	AA675604	25.3	24.0	13.0	2.0	1.0	1.9	2.7	1.6	1.7
20130	1475028	AA857413	1621.0	17.0	14.0	9.0	2.0	1.9	2.9	1.4	1.7
10010	204483	H58571	38.3	24.0	13.0	2.0	1.0	1.9	2.0	2.8	1.6
2043	41650	R52797	6.8	27.0	13.0	2.0	0.0	1.9	2.3	2.6	1.6
26827	506128	AA708864	19.1	30.0	18.0	10.0	9.0	1.9	0.8	1.5	2.2
24210	447247	AA700971	17.9	33.0	13.0	9.0	9.0	1.9	1.6	1.3	2.1
25981	121605	T97942	45.5	30.0	18.0	10.0	9.0	1.9	2.0	1.8	1.8
23957	1474500	AA856703	29.5	30.0	19.0	9.0	9.0	1.9	2.0	2.0	1.8
23997	1597813	AA961383	24.6	31.0	16.0	10.0	9.0	1.9	2.6	1.5	1.7
7080	877827	AA625632	1595.8	19.0	15.0	9.0	1.0	1.8	1.6	3.2	1.6
6468	513200	AA063398	207.6	24.0	13.0	1.0	1.0	1.8	1.4	3.0	1.7
21518	746064	AA482028	18.7	10.0	9.0	9.0	5.0	1.8	3.1	0.8	1.7
3553	784124	AA432062	10.3	18.0	10.0	4.0	3.0	1.8	0.9	0.6	2.4
21718	322123	W37689	55.6	25.0	15.0	3.0	0.0	1.8	1.3	1.0	2.2
7902	131268	R24266	40.4	27.0	13.0	1.0	0.0	1.8	1.7	0.4	2.2
16239	784289	AA447506	25.6	27.0	12.0	2.0	0.0	1.8	1.0	1.6	2.1
19527	417905	W90543	38.0	29.0	10.0	0.0	0.0	1.8	1.0	1.8	2.1
14263	784064	AA431942	23.4	30.0	8.0	0.0	0.0	1.8	1.1	1.8	2.0
4675	357220	W93413	13.9	27.0	13.0	1.0	0.0	1.8	1.9	0.8	2.0
19503	417706	W89107	14.4	10.0	9.0	9.0	5.0	1.8	1.1	2.0	2.0
9135	269748	N27118	85.7	24.0	16.0	4.0	0.0	1.8	1.4	1.6	2.0
17135	813698	AA453759	56.0	25.0	15.0	3.0	0.0	1.8	1.6	1.4	2.0
7163	25517	R11888	17.4	23.0	15.0	1.0	1.0	1.8	1.7	1.2	2.0
13638	743536	AA609422	19.6	17.0	10.0	6.0	3.0	1.8	1.9	1.0	2.0
9020	214884	H74119	120.1	21.0	15.0	5.0	1.0	1.8	1.6	1.6	2.0
3248	239877	H79779	30.5	25.0	16.0	2.0	0.0	1.8	1.6	1.6	2.0
4768	62277	T40311	22.6	26.0	16.0	0.0	0.0	1.8	1.7	1.4	2.0
9801	471799	AA035123	19.6	25.0	8.0	4.0	1.0	1.8	1.4	2.0	1.9
7515	254010	N22140	16.5	27.0	12.0	2.0	0.0	1.8	1.6	1.8	1.9
13828	298903	N75386	22.5	27.0	12.0	2.0	0.0	1.8	1.6	1.8	1.9
13719	727305	AA401736	141.3	20.0	13.0	9.0	1.0	1.8	1.6	1.8	1.9
8755	796287	AA460849	23.6	23.0	13.0	3.0	1.0	1.8	1.6	1.8	1.9
18327	754380	AA436291	54.4	27.0	12.0	2.0	0.0	1.8	1.6	2.0	1.9
9936	877664	AA488247	21.1	28.0	12.0	0.0	0.0	1.8	2.3	1.0	1.9
20475	343932	W69814	33.7	25.0	18.0	0.0	0.0	1.8	1.6	2.2	1.8
13644	629486	AA192757	24.0	27.0	11.0	3.0	0.0	1.8	1.6	2.2	1.8
11078	627040	AA191019	24.4	25.0	14.0	4.0	0.0	1.8	2.1	1.4	1.8
20922	1460110	AA864479	159.4	17.0	13.0	9.0	2.0	1.8	1.3	2.8	1.8
9037	430218	AA010351	33.9	27.0	14.0	0.0	0.0	1.8	1.9	2.0	1.8
7579	773106	AA425475	16.1	23.0	16.0	6.0	0.0	1.8	2.3	1.4	1.8
18549	413148	AA707871	46.7	27.0	14.0	0.0	0.0	1.8	1.4	2.8	1.8
5667	126225	R06256	57.2	25.0	14.0	4.0	0.0	1.8	1.6	2.6	1.8
6471	839904	AA490059	143.8	23.0	15.0	7.0	0.0	1.8	1.7	2.4	1.8
12203	186664	R83907	85.8	24.0	15.0	5.0	0.0	1.8	1.9	2.2	1.8
14674	781454	AA432312	143.4	22.0	15.0	9.0	0.0	1.8	1.9	2.2	1.8
9052	79525	T82438	36.6	24.0	18.0	2.0	0.0	1.8	1.7	2.6	1.7
3206	843076	AA485996	31.6	23.0	17.0	5.0	0.0	1.8	1.9	2.4	1.7
5133	77915	T61271	19.9	24.0	14.0	6.0	0.0	1.8	2.0	2.2	1.7
784	236333	H62387	37.2	23.0	17.0	5.0	0.0	1.8	2.7	1.8	1.6
6123	377261	AA055413	11.5	10.0	9.0	9.0	5.0	1.8	2.9	2.0	1.5
22802	436463	AA699656	16.0	32.0	14.0	9.0	9.0	1.8	2.4	1.5	1.7
23991	1597388	AA973224	115.2	25.0	22.0	15.0	9.0	1.8	2.2	2.0	1.7
6636	858204	AA633882	204.5	19.0	16.0	7.0	1.0	1.8	1.9	3.2	1.5
6492	743532	AA609421	303.5	22.0	14.0	3.0	1.0	1.8	1.7	3.2	1.6
562	814701	AA481076	40.9	23.0	15.0	6.0	0.0	1.8	1.4	3.0	1.7
12198	950883	AA608713	38.8	25.0	9.0	2.0	1.0	1.8	1.3	3.8	1.6
18438	686081	AA262196	16.7	25.0	13.0	4.0	0.0	1.8	1.4	3.0	1.7

Table 5

22200	823955	AA490850	37.7	25.0	13.0	4.0	0.0	1.8	0.6	1.0	2.3
6786	586895	AA133577	65.3	11.0	8.0	7.0	5.0	1.8	0.7	0.8	2.3
21305	884531	AA629801	68.3	22.0	11.0	6.0	1.0	1.8	1.1	0.6	2.2
3540	234237	H69334	23.1	25.0	14.0	3.0	0.0	1.8	1.4	1.0	2.1
18254	1031516	AA609245	21.3	25.0	8.0	3.0	1.0	1.8	1.6	0.8	2.1
19058	291557	N72888	13.6	10.0	9.0	8.0	5.0	1.8	1.0	2.0	2.0
14423	29185	R05458	15.1	23.0	13.0	2.0	1.0	1.8	1.4	1.4	2.0
15390	593431	AA165628	198.9	18.0	16.0	9.0	1.0	1.8	1.4	1.4	2.0
16332	796598	AA461443	67.3	22.0	14.0	3.0	1.0	1.8	1.6	1.2	2.0
1123	208699	H61003	39.3	25.0	16.0	1.0	0.0	1.8	1.4	1.6	2.0
16764	687625	AA235347	27.0	25.0	9.0	2.0	1.0	1.8	1.6	1.6	1.9
12133	854576	AA669126	45.3	25.0	13.0	4.0	0.0	1.8	1.9	1.2	1.9
3677	366570	AA027160	34.4	23.0	17.0	4.0	0.0	1.8	1.6	1.8	1.9
16527	284651	N64814	13.0	24.0	15.0	4.0	0.0	1.8	1.7	1.6	1.9
6608	292082	W02344	141.4	22.0	17.0	6.0	0.0	1.8	1.3	2.4	1.8
5944	246541	N77514	81.5	23.0	15.0	6.0	0.0	1.8	1.6	2.0	1.8
20367	294926	N71461	41.2	23.0	16.0	5.0	0.0	1.8	1.7	1.8	1.8
13791	897158	AA676955	615.6	22.0	15.0	8.0	0.0	1.8	1.7	1.8	1.8
1776	154795	R55640	10.1	26.0	15.0	0.0	0.0	1.8	1.9	1.6	1.8
19539	324543	W52061	14.2	27.0	11.0	2.0	0.0	1.8	1.9	1.6	1.8
19966	826256	AA520979	29.0	23.0	15.0	6.0	0.0	1.8	1.9	1.6	1.8
21114	127549	R08999	40.4	17.0	12.0	9.0	2.0	1.8	2.0	1.4	1.8
11914	127686	09492::R09587	22.7	26.0	13.0	2.0	0.0	1.8	1.6	2.2	1.8
3455	448190	AA702174	39.5	24.0	17.0	2.0	0.0	1.8	1.6	2.2	1.8
10182	884719	AA629567	369.7	21.0	11.0	8.0	1.0	1.8	1.6	2.2	1.8
21579	138728	R63515	16.7	26.0	15.0	0.0	0.0	1.8	1.7	2.0	1.8
874	783696	AA446820	69.1	26.0	14.0	1.0	0.0	1.8	1.7	2.0	1.8
17634	29954	R14750	5.6	25.0	9.0	2.0	1.0	1.8	2.0	1.6	1.8
5442	190732	H38650	48.4	27.0	12.0	1.0	0.0	1.8	1.3	2.8	1.8
686	247783	N58239	18.4	25.0	14.0	3.0	0.0	1.8	1.9	2.0	1.8
10532	884438	AA629687	120.3	23.0	17.0	4.0	0.0	1.8	2.0	1.8	1.8
2286	128426	R10526	21.8	24.0	17.0	2.0	0.0	1.8	2.1	1.6	1.8
17660	725746	AA292213	60.6	25.0	16.0	1.0	0.0	1.8	2.3	1.4	1.8
811	362853	AA019459	73.6	22.0	16.0	7.0	0.0	1.8	1.6	2.6	1.7
11655	296495	N70212	83.8	22.0	16.0	7.0	0.0	1.8	1.7	2.4	1.7
9584	843263	AA488652	107.6	23.0	15.0	6.0	0.0	1.8	1.9	2.2	1.7
7668	611412	AA180820	47.3	22.0	14.0	9.0	0.0	1.8	2.0	2.2	1.7
12773	610374	AA172088	116.7	23.0	15.0	6.0	0.0	1.8	2.3	1.8	1.7
2616	366971	AA026682	54.5	23.0	15.0	6.0	0.0	1.8	1.9	2.6	1.6
1159	292806	N69204	21.2	25.0	9.0	8.0	0.0	1.8	2.0	2.4	1.6
14531	767983	AA418825	124.0	20.0	18.0	9.0	0.0	1.8	2.0	2.4	1.6
13751	283034	N51280	63.8	21.0	18.0	7.0	0.0	1.8	2.1	2.2	1.6
18966	814287	AA459237	17.0	22.0	17.0	6.0	0.0	1.8	2.3	2.2	1.6
22058	129147	R10903	6.1	19.0	12.0	5.0	2.0	1.8	2.9	2.0	1.5
12383	270681	N33366	6.4	12.0	10.0	9.0	4.0	1.8	2.4	2.8	1.4
14091	1032015	AA610016	15.0	27.0	10.0	3.0	0.0	1.8	2.6	2.6	1.4
27624	897603	AA496896	41.8	29.0	17.0	11.0	9.0	1.8	0.4	1.0	2.3
23708	745283	AA625567	182.9	24.0	18.0	14.0	10.0	1.8	0.6	2.0	2.1
23248	773296	AA425339	13.9	32.0	13.0	9.0	9.0	1.8	1.2	2.0	1.9
24497	896972	AA676666	62.3	27.0	19.0	13.0	9.0	1.8	1.4	1.8	1.9
26391	470121	AA029862	36.8	26.0	21.0	13.0	9.0	1.8	1.4	1.8	1.9
27001	154466	R54607	89.2	29.0	19.0	9.0	9.0	1.8	1.6	1.8	1.8
24195	1032444	AA779486	41.8	28.0	21.0	9.0	9.0	1.8	1.6	1.8	1.8
27071	487433	AA043408	43.5	29.0	19.0	9.0	9.0	1.8	1.8	1.5	1.8
25392	1636122	AJ015686	10.1	26.0	21.0	13.0	9.0	1.8	1.8	1.5	1.8
22389	32195	R42888	18.8	30.0	17.0	9.0	9.0	1.8	1.8	1.8	1.8
25555	878173	AA775453	51.4	30.0	17.0	9.0	9.0	1.8	1.4	2.5	1.7

Table 5

27387	449329	AA777917	135.7	25.0	23.0	13.0	9.0	1.8	1.8	2.0	1.7
26250	447787	AA702358	18.1	29.0	19.0	9.0	9.0	1.8	2.0	2.3	1.6
24015	1599489	AA961361	66.8	28.0	19.0	11.0	9.0	1.8	2.0	2.3	1.6
4341	789182	AA450265	103.8	21.0	15.0	9.0	0.0	1.8	2.0	3.2	1.4
7237	45912	H09343	37.2	21.0	10.0	2.0	2.0	1.8	1.3	4.0	1.5
12580	1472698	AA873152	67.5	19.0	10.0	6.0	2.0	1.8	2.6	3.4	1.2
5568	785293	AA476543	22.8	25.0	15.0	1.0	0.0	1.8	2.0	3.2	1.4
13090	840698	AA486370	73.2	17.0	13.0	7.0	2.0	1.8	1.3	1.0	2.1
3815	566474	AA152111	83.2	25.0	11.0	5.0	0.0	1.8	1.4	0.8	2.1
7179	756533	AA436440	88.1	22.0	17.0	5.0	0.0	1.8	1.6	0.6	2.1
21309	884540	AA629796	57.3	25.0	12.0	4.0	0.0	1.8	1.3	1.4	2.0
19042	291272	W00496	11.1	9.0	9.0	9.0	5.0	1.8	1.1	2.0	1.9
18934	813983	AA455693	54.0	24.0	15.0	3.0	0.0	1.8	1.3	1.8	1.9
14964	1435029	AA857212	24.0	24.0	16.0	2.0	0.0	1.8	1.3	1.8	1.9
10948	75759	T58522	20.7	21.0	15.0	3.0	1.0	1.8	1.7	1.2	1.9
20295	435145	AA705684	23.4	9.0	9.0	9.0	5.0	1.8	2.0	0.8	1.9
19533	725549	AA293515	11.9	9.0	9.0	9.0	5.0	1.8	2.0	0.8	1.9
14347	144065	R77145	67.2	26.0	14.0	0.0	0.0	1.8	1.3	2.0	1.9
929	196992	R93124	34.0	23.0	17.0	3.0	0.0	1.8	1.3	2.0	1.9
20554	712888	AA282159	35.5	25.0	13.0	3.0	0.0	1.8	1.3	2.0	1.9
4741	813280	AA455931	60.8	23.0	16.0	4.0	0.0	1.8	1.6	1.6	1.9
19121	825005	AA489199	57.1	25.0	14.0	2.0	0.0	1.8	1.6	1.6	1.9
10823	279152	N47150	31.8	24.0	14.0	4.0	0.0	1.8	1.4	2.0	1.8
10930	281769	N51756	29.3	27.0	11.0	1.0	0.0	1.8	1.4	2.0	1.8
12991	811013	AA485376	49.1	24.0	15.0	3.0	0.0	1.8	1.4	2.0	1.8
9033	241481	H80711	475.3	24.0	14.0	4.0	0.0	1.8	1.7	1.6	1.8
12014	292015	W02275	847.5	22.0	14.0	8.0	0.0	1.8	1.7	1.6	1.8
13780	868757	AA775325	71.9	22.0	16.0	6.0	0.0	1.8	1.4	2.2	1.8
7585	744374	AA621188	24.8	28.0	9.0	1.0	0.0	1.8	1.6	2.0	1.8
1660	795296	AA451817	40.7	22.0	21.0	1.0	0.0	1.8	1.7	1.8	1.8
17981	811782	AA463454	22.7	28.0	10.0	0.0	0.0	1.8	1.7	1.8	1.8
9166	627118	AA191158	64.3	24.0	16.0	2.0	0.0	1.8	1.9	1.6	1.8
12043	365531	AA009697	52.8	25.0	12.0	4.0	0.0	1.8	2.1	1.2	1.8
7024	486221	AA044113	108.0	22.0	14.0	2.0	1.0	1.8	1.3	2.6	1.8
3955	73381	T55801	55.6	24.0	16.0	2.0	0.0	1.8	1.6	2.2	1.8
18538	272750	N36233	78.1	25.0	13.0	3.0	0.0	1.8	1.9	1.8	1.8
9405	356863	W84627	56.5	23.0	17.0	3.0	0.0	1.8	1.7	2.2	1.7
18974	814303	AA459106	93.9	22.0	18.0	4.0	0.0	1.8	2.3	1.4	1.7
1641	45291	H08642	128.1	24.0	17.0	1.0	0.0	1.8	1.9	2.2	1.7
15700	1473421	AA916413	41.7	23.0	17.0	3.0	0.0	1.8	1.7	2.6	1.6
4792	841282	AA486838	18.1	26.0	13.0	1.0	0.0	1.8	1.9	2.4	1.6
11404	51460	H20847	20.7	25.0	14.0	2.0	0.0	1.8	2.1	2.0	1.6
6443	784174	AA432106	61.2	24.0	14.0	4.0	0.0	1.8	2.1	2.0	1.6
19478	824530	AA490894	27.0	22.0	18.0	4.0	0.0	1.8	2.3	1.8	1.6
15760	627002	AA190517	107.2	22.0	16.0	6.0	0.0	1.8	1.9	2.6	1.6
751	809995	AA454862	79.7	22.0	14.0	8.0	0.0	1.8	1.9	2.6	1.6
18734	191950	H38572	12.1	25.0	14.0	2.0	0.0	1.8	2.1	2.4	1.6
20078	704277	AA279422	24.0	26.0	12.0	2.0	0.0	1.8	2.4	2.0	1.6
1356	140301	R66924	17.7	24.0	11.0	7.0	0.0	1.8	2.4	2.4	1.5
8240	586796	AA133469	19.2	9.0	9.0	9.0	5.0	1.8	2.9	2.0	1.4
5406	813841	AA453728	36.9	25.0	12.0	3.0	0.0	1.8	2.0	3.2	1.4
1369	202339	H53038	9.6	8.0	7.0	6.0	6.0	1.8	0.7	0.0	2.4
9454	361698	W96325	37.2	9.0	9.0	8.0	5.0	1.8	1.0	0.8	2.2
899	814214	AA465570	30.0	26.0	13.0	0.0	0.0	1.8	1.1	0.8	2.1
8682	857319	AA668703	47.7	12.0	9.0	8.0	4.0	1.8	1.0	1.2	2.1
12174	530185	AA083671	14.5	13.0	12.0	9.0	3.0	1.8	1.9	0.0	2.1
4029	36387	R46816	45.8	17.0	13.0	6.0	2.0	1.8	0.9	1.6	2.0

Table 5

4781	810358	AA464163	96.7	21.0	15.0	8.0	0.0	1.8	1.3	1.0	2.0
10496	755578	AA419176	50.0	24.0	15.0	2.0	0.0	1.8	1.4	0.8	2.0
15859	324856	W48685	15.7	27.0	10.0	1.0	0.0	1.8	1.1	1.4	2.0
16503	898251	AA598675	77.1	22.0	14.0	7.0	0.0	1.8	1.4	1.4	1.9
13680	753271	AA411668	25.4	29.0	6.0	1.0	0.0	1.8	1.6	1.2	1.9
4596	810389	AA464790	24.3	26.0	13.0	0.0	0.0	1.8	1.7	1.0	1.9
3701	128509	R10570	24.3	26.0	12.0	1.0	0.0	1.8	1.0	2.2	1.9
9395	270786	N42946	22.1	22.0	12.0	3.0	1.0	1.8	1.3	1.8	1.9
2494	823819	AA490390	126.1	20.0	14.0	5.0	1.0	1.8	1.4	1.6	1.9
8794	841070	AA486936	87.0	25.0	13.0	2.0	0.0	1.8	1.4	1.6	1.9
5150	786084	AA448667	68.0	24.0	14.0	3.0	0.0	1.8	1.6	1.4	1.9
1490	299442	N71069	21.5	21.0	20.0	3.0	0.0	1.8	1.7	1.2	1.9
17644	740748	AA479693	106.0	25.0	12.0	3.0	0.0	1.8	1.7	1.2	1.9
19619	745314	AA625581	29.3	12.0	9.0	8.0	4.0	1.8	2.0	0.8	1.9
3931	823876	AA490473	131.0	20.0	18.0	7.0	0.0	1.8	1.3	2.0	1.8
5099	877613	AA488168	35.0	24.0	16.0	1.0	0.0	1.8	1.4	1.8	1.8
21698	287646	N79285	47.1	25.0	14.0	1.0	0.0	1.8	1.6	1.6	1.8
2787	135083	R33917	224.4	22.0	15.0	6.0	0.0	1.8	1.7	1.4	1.8
573	210887	H65676	332.7	22.0	17.0	4.0	0.0	1.8	1.4	2.0	1.8
1072	415215	W95063	25.4	22.0	12.0	3.0	1.0	1.8	1.4	2.0	1.8
16324	823755	AA490243	50.0	24.0	13.0	4.0	0.0	1.8	1.6	1.8	1.8
3991	824906	AA489011	43.4	24.0	16.0	1.0	0.0	1.8	1.6	1.8	1.8
16070	35789	R45977	61.3	22.0	14.0	7.0	0.0	1.8	2.0	1.2	1.8
4	292388	N79230	42.1	27.0	11.0	0.0	0.0	1.8	2.0	1.2	1.8
7495	51344	H21040	9.9	24.0	9.0	2.0	1.0	1.8	1.3	2.4	1.8
20324	824723	AA488986	54.0	24.0	15.0	2.0	0.0	1.8	1.4	2.2	1.8
3520	173228	H22652	51.2	24.0	15.0	2.0	0.0	1.8	1.6	2.0	1.8
13301	24822	T80512	48.3	22.0	17.0	4.0	0.0	1.8	1.7	1.8	1.8
4715	687397	AA234671	45.8	25.0	14.0	1.0	0.0	1.8	1.7	1.8	1.8
8734	757489	AA436990	71.6	18.0	11.0	6.0	2.0	1.8	1.9	1.6	1.8
10544	361899	AA001465	16.7	16.0	8.0	7.0	3.0	1.8	1.7	2.0	1.7
11838	838504	AA457529	191.5	22.0	16.0	5.0	0.0	1.8	1.7	2.0	1.7
11458	842839	AA489305	83.3	23.0	15.0	4.0	0.0	1.8	1.7	2.0	1.7
10606	854338	AA668821	23.8	22.0	11.0	4.0	1.0	1.8	2.1	1.4	1.7
459	51532	H20558	320.3	22.0	14.0	7.0	0.0	1.8	1.7	2.2	1.7
9922	305581	W39160	34.8	26.0	13.0	0.0	0.0	1.8	1.7	2.2	1.7
3512	753467	AA406551	18.0	28.0	8.0	1.0	0.0	1.8	1.9	2.2	1.6
9400	855395	AA664009	138.1	21.0	16.0	7.0	0.0	1.8	1.9	2.2	1.6
2805	773215	AA425238	38.7	25.0	15.0	0.0	0.0	1.8	2.0	2.0	1.6
4161	201173	R98541	10.9	25.0	12.0	3.0	0.0	1.8	1.9	2.8	1.5
21650	284306	N52205	39.6	19.0	14.0	7.0	1.0	1.8	2.6	1.8	1.5
12848	293651	N69653	68.8	23.0	13.0	6.0	0.0	1.8	2.4	2.6	1.4
15426	488516	AA044705	11.6	9.0	9.0	8.0	5.0	1.8	2.9	2.0	1.4
25458	1460075	AA864841	11.2	23.0	20.0	13.0	10.0	1.8	3.4	2.0	1.3
22569	1584540	AA972338	29.8	31.0	13.0	10.0	9.0	1.8	1.6	1.0	1.9
23297	1474273	AA922313	14.6	29.0	18.0	9.0	9.0	1.8	1.8	1.3	1.8
23656	1533710	AA917688	51.9	27.0	21.0	10.0	9.0	1.8	2.2	2.0	1.6
23572	859912	AA679489	90.1	25.0	22.0	13.0	9.0	1.8	2.4	1.8	1.6
6843	77361	T55337	122.7	23.0	11.0	1.0	1.0	1.7	1.9	3.0	1.4
922	784278	AA447482	61.0	24.0	14.0	2.0	0.0	1.7	1.6	3.4	1.4
16055	1470048	AA865464	40.4	15.0	11.0	5.0	3.0	1.7	3.9	3.0	0.9
3980	711552	AA280924	9.4	15.0	9.0	7.0	3.0	1.7	3.4	1.2	1.4
21708	452676	AA779225	7.1	16.0	8.0	6.0	3.0	1.7	3.1	0.8	1.5
18893	41447	R59025	6.4	25.0	11.0	3.0	0.0	1.7	0.6	0.4	2.3
21888	360743	AA016000	39.6	17.0	7.0	5.0	3.0	1.7	0.6	0.8	2.2
21288	897874	AA598635	8.3	24.0	14.0	2.0	0.0	1.7	1.0	0.4	2.2
7665	32737	R43093	9.2	12.0	10.0	6.0	4.0	1.7	0.0	2.6	2.0



Table 5

9847	52730	H29499	7.6	20.0	13.0	5.0	1.0	1.7	1.6	0.4	2.0
5850	42558	R61228	67.4	25.0	11.0	3.0	0.0	1.7	1.1	1.2	2.0
16662	796123	AA460963	12.5	19.0	9.0	5.0	2.0	1.7	1.4	0.8	2.0
16967	757431	AA442286	41.0	17.0	9.0	3.0	3.0	1.7	1.7	0.4	2.0
6884	594973	AA171992	51.1	28.0	7.0	1.0	0.0	1.7	1.4	2.6	1.6
22630	1456625	AA864704	129.8	24.0	16.0	14.0	10.0	1.7	0.4	1.0	2.2
22128	392647	AA708329	15.3	16.0	8.0	5.0	3.0	1.7	0.7	0.0	2.3
18655	505887	AA683581	49.3	27.0	9.0	0.0	0.0	1.7	0.6	1.2	2.1
17306	773605	AA429425	16.6	24.0	12.0	3.0	0.0	1.7	1.1	0.4	2.1
9739	503602	AA131299	21.8	21.0	10.0	5.0	1.0	1.7	1.4	0.0	2.1
11231	234004	H66150	29.1	22.0	14.0	5.0	0.0	1.7	1.6	0.0	2.1
10923	289637	N62862	21.9	24.0	14.0	1.0	0.0	1.7	1.1	0.8	2.0
10341	47781	H11581	9.4	18.0	9.0	6.0	2.0	1.7	1.4	0.4	2.0
2829	703581	AA278921	75.7	20.0	17.0	6.0	0.0	1.7	1.4	2.8	1.6
8122	811038	AA485424	23.1	13.0	10.0	9.0	3.0	1.7	2.9	0.8	1.6
3400	782439	AA431836	120.3	17.0	14.0	9.0	1.0	1.7	1.9	2.8	1.4
14052	753625	AA478857	145.4	21.0	15.0	6.0	0.0	1.7	2.0	2.6	1.4
12060	291880	W03413	64.7	19.0	13.0	6.0	1.0	1.7	2.9	1.8	1.4
14838	259350	N41826	139.1	20.0	11.0	6.0	1.0	1.7	2.9	2.2	1.3
23533	167205	R90934	54.3	24.0	21.0	14.0	9.0	1.7	1.2	4.0	1.3
3401	245386	N77182	12.4	18.0	14.0	6.0	1.0	1.7	1.1	3.4	1.5
17070	731290	AA416843	73.1	22.0	14.0	4.0	0.0	1.7	0.7	0.8	2.1
9818	364934	AA024655	35.8	9.0	8.0	6.0	5.0	1.7	1.0	0.4	2.1
10155	280893	N47552	12.2	26.0	8.0	2.0	0.0	1.7	0.7	1.2	2.0
16888	450711	AA704459	16.7	13.0	10.0	8.0	3.0	1.7	1.1	0.6	2.0
9523	843291	AA485934	27.8	23.0	13.0	3.0	0.0	1.7	1.3	0.4	2.0
18380	769565	AA425821	88.8	9.0	7.0	7.0	5.0	1.7	0.3	2.0	2.0
17456	1031532	AA609262	22.4	23.0	7.0	3.0	1.0	1.7	0.7	1.4	2.0
4038	274529	R85387	14.2	18.0	8.0	6.0	2.0	1.7	1.0	2.8	1.6
2354	362624	AA017132	17.0	8.0	8.0	8.0	5.0	1.7	2.9	0.8	1.5
17942	757257	AA426092	15.1	20.0	11.0	5.0	1.0	1.7	2.9	1.2	1.4
1341	740554	AA477165	81.3	21.0	12.0	2.0	1.0	1.7	1.9	2.8	1.4
21755	700967	AA287827	5.9	13.0	11.0	7.0	3.0	1.7	2.9	1.4	1.4
12628	1492147	AA888182	1924.6	15.0	13.0	7.0	2.0	1.7	2.3	2.8	1.3
10685	840506	AA485898	146.6	17.0	12.0	3.0	2.0	1.6	1.7	4.0	1.2
9953	773183	AA428470	54.1	19.0	12.0	5.0	1.0	1.6	1.9	3.2	1.3
9169	33254	R43826	28.5	19.0	9.0	2.0	2.0	1.6	1.1	4.0	1.3
8874	429424	AA007686	6.0	15.0	8.0	5.0	3.0	1.6	3.1	1.6	1.2
4333	837870	AA434067	17.1	22.0	9.0	2.0	1.0	1.6	2.0	3.4	1.2
9981	50879	H18532	6.6	19.0	11.0	6.0	1.0	1.6	0.7	3.0	1.6
10218	268946	N26062	21.2	13.0	9.0	8.0	3.0	1.6	3.4	0.8	1.3
14924	1434948	AA857131	39.4	12.0	8.0	5.0	4.0	1.6	0.6	1.2	2.0
14807	842968	AA488460	27.7	21.0	11.0	2.0	1.0	1.6	1.4	2.6	1.5
2766	811108	AA485677	84.4	21.0	14.0	5.0	0.0	1.6	1.6	2.8	1.4
2401	292463	N62586	33.3	25.0	10.0	1.0	0.0	1.6	1.9	2.6	1.4
20957	741954	AA402889	52.5	17.0	14.0	7.0	1.0	1.6	2.6	1.8	1.4
26374	431535	AA676246	17.9	27.0	19.0	9.0	9.0	1.6	1.2	0.5	2.0
9161	84464	T73883	102.3	20.0	10.0	4.0	1.0	1.6	2.0	3.2	1.2
7203	837908	AA434090	44.8	20.0	9.0	5.0	1.0	1.6	1.7	4.0	1.1
9165	79032	T61960	29.2	18.0	7.0	5.0	2.0	1.6	0.3	3.2	1.7
16035	768520	AA495996	19.9	9.0	7.0	5.0	5.0	1.6	4.6	4.0	0.3
22011	25664	R12201	16.7	20.0	14.0	6.0	0.0	1.6	3.1	2.8	1.0
12481	1031844	AA609686	8.6	10.0	9.0	7.0	4.0	1.6	3.1	0.8	1.4
6629	487371	AA046700	14.7	13.0	9.0	7.0	3.0	1.6	2.1	3.2	1.2
5993	292567	N68492	9.3	6.0	6.0	6.0	6.0	1.6	0.0	0.0	2.4
8354	782521	AA431782	23.2	24.0	11.0	1.0	0.0	1.6	0.9	0.4	2.1
11401	251936	H97488	41.0	20.0	10.0	4.0	1.0	1.6	1.1	0.4	2.0

Table 5

20890	1384851	AA857496	6.5	20.0	15.0	5.0	0.0	1.6	1.0	2.8	1.6
5140	141627	R69202	10.9	10.0	9.0	7.0	4.0	1.6	2.9	0.8	1.4
2728	471498	AA035347	8.4	10.0	9.0	7.0	4.0	1.6	2.9	0.8	1.4
823	666639	AA233339	21.9	11.0	9.0	5.0	4.0	1.6	2.9	1.4	1.3
22889	26506	R13518	6.2	19.0	16.0	15.0	11.0	1.6	3.6	0.0	1.4
9109	725395	AA292031	49.7	17.0	13.0	6.0	1.0	1.6	2.6	3.2	1.0
17387	242807	H93622	95.4	8.0	8.0	5.0	5.0	1.6	5.1	4.0	0.1
5275	129922	R19183	86.1	17.0	8.0	5.0	2.0	1.6	3.3	2.4	1.0
19781	268148	N34697	29.8	21.0	13.0	4.0	0.0	1.6	1.4	3.2	1.3
11097	40364	R54822	12.4	16.0	10.0	5.0	2.0	1.6	1.9	3.4	1.2
4907	144855	R78533	10.6	16.0	11.0	4.0	2.0	1.6	0.9	2.6	1.6
11082	856961	AA669674	543.1	15.0	12.0	5.0	2.0	1.6	1.0	2.8	1.5
8294	878468	AA670380	19.9	16.0	13.0	8.0	1.0	1.6	2.6	1.2	1.4
21314	1472753	AA872402	118.3	15.0	13.0	10.0	1.0	1.6	2.6	1.6	1.3
16507	37665	R61374	7.5	13.0	9.0	6.0	3.0	1.6	2.9	1.2	1.3
16836	183602	H44051	168.6	21.0	12.0	5.0	0.0	1.6	2.6	2.0	1.2
23457	50892	H18560	22.5	23.0	16.0	12.0	10.0	1.6	3.2	2.0	1.1
25344	853968	AI791173	179.5	20.0	19.0	15.0	10.0	1.6	0.4	0.8	2.1
16663	731343	AA416785	724.9	16.0	12.0	8.0	1.0	1.6	1.9	3.0	1.2
14020	813636	AA447731	150.9	18.0	10.0	6.0	1.0	1.6	2.0	3.0	1.2
5044	363144	AA018906	5.1	14.0	6.0	6.0	3.0	1.6	3.1	1.2	1.2
8345	769603	AA425908	19.8	14.0	7.0	5.0	3.0	1.6	0.6	0.6	2.0
12272	136399	R34297	61.4	22.0	12.0	2.0	0.0	1.6	0.9	0.4	2.0
6446	897823	AA598578	106.7	19.0	12.0	2.0	1.0	1.6	0.7	2.6	1.6
12454	731254	AA421069	18.7	9.0	8.0	8.0	4.0	1.6	2.9	0.4	1.4
22132	453766	AA776434	6.4	20.0	9.0	3.0	1.0	1.6	1.4	2.6	1.4
18221	299559	N74995	8.0	9.0	9.0	7.0	4.0	1.6	2.9	0.8	1.4
13460	344834	W75968	6.1	9.0	9.0	7.0	4.0	1.6	2.9	0.8	1.4
4156	488422	AA044890	8.1	9.0	9.0	7.0	4.0	1.6	2.9	0.8	1.4
17822	731371	AA421047	6.6	9.0	9.0	7.0	4.0	1.6	2.9	0.8	1.4
392	770868	AA434487	6.9	9.0	9.0	7.0	4.0	1.6	2.9	0.8	1.4
18014	788209	AA453433	7.7	9.0	9.0	7.0	4.0	1.6	2.9	0.8	1.4
2770	810671	AA463986	8.1	9.0	9.0	7.0	4.0	1.6	2.9	0.8	1.4
16651	840937	AA486538	9.6	9.0	9.0	7.0	4.0	1.6	2.9	0.8	1.4
20906	1471841	AA873355	208.9	15.0	13.0	9.0	1.0	1.6	1.7	2.8	1.3
21578	128668	R16801	11.9	18.0	10.0	6.0	1.0	1.6	2.9	1.4	1.2
3899	246304	N52496	69.1	20.0	15.0	2.0	0.0	1.5	2.0	3.4	1.0
8538	811048	AA485428	13.7	20.0	10.0	1.0	1.0	1.5	2.9	0.0	1.5
3827	771013	AA430694	6.7	9.0	9.0	6.0	4.0	1.5	2.9	0.6	1.4
18947	206341	H58347	6.3	9.0	9.0	6.0	4.0	1.5	2.9	0.8	1.3
6320	223274	H86599	9.6	9.0	9.0	6.0	4.0	1.5	2.9	0.8	1.3
11555	811025	AA485381	6.2	9.0	8.0	7.0	4.0	1.5	2.9	0.8	1.3
4809	47043	H10721	23.2	20.0	13.0	4.0	0.0	1.5	1.9	2.6	1.2
3961	134783	R31744	11.1	18.0	10.0	5.0	1.0	1.5	1.9	2.6	1.2
24867	1034738	AA780190	47.2	25.0	19.0	10.0	9.0	1.5	1.8	2.5	1.3
27518	1636707	AI017703	171.5	24.0	19.0	12.0	9.0	1.5	1.8	2.5	1.3
10603	46266	H09427	7.2	17.0	10.0	6.0	1.0	1.5	1.1	3.2	1.3
21883	246881	N53236	111.8	18.0	12.0	8.0	0.0	1.5	0.6	0.0	2.1
11885	840974	AA486554	26.8	13.0	11.0	7.0	2.0	1.5	0.3	2.8	1.6
1682	814615	AA480994	59.1	21.0	12.0	2.0	0.0	1.5	1.3	2.6	1.4
3144	42118	R60722	8.6	17.0	11.0	5.0	1.0	1.5	2.6	0.8	1.4
19142	703827	AA278842	22.3	15.0	8.0	6.0	2.0	1.5	2.9	0.4	1.4
8022	781110	AA430042	6.2	9.0	8.0	6.0	4.0	1.5	2.9	0.4	1.4
7109	292894	N91084	10.4	7.0	6.0	6.0	5.0	1.5	1.4	2.8	1.3
10324	41595	R59555	5.9	9.0	7.0	7.0	4.0	1.5	2.9	0.8	1.3
1721	276547	N34857	5.1	9.0	7.0	7.0	4.0	1.5	2.9	0.8	1.3
16990	730036	AA416970	6.7	12.0	8.0	6.0	3.0	1.5	2.9	0.8	1.3

Table 5

2228	810411	AA457102	5.7	9.0	7.0	7.0	4.0	1.5	2.9	0.8	1.3
16113	812277	AA455078	28.9	20.0	12.0	4.0	0.0	1.5	1.9	2.6	1.2
14978	784035	AA443722	56.2	19.0	9.0	3.0	1.0	1.5	2.6	1.8	1.2
12508	530958	AA070532	10.4	8.0	8.0	8.0	4.0	1.5	2.9	2.0	1.0
2763	261204	H98218	10.6	21.0	11.0	2.0	0.0	1.5	1.7	3.0	1.1
12929	255286	N23882	6.2	16.0	12.0	5.0	1.0	1.5	3.3	1.6	1.0
3431	417226	W87741	48.9	19.0	14.0	3.0	0.0	1.5	1.1	2.6	1.4
1654	843249	AA486027	38.2	20.0	13.0	2.0	0.0	1.5	1.7	2.8	1.2
26191	745011	AA626024	47.2	23.0	18.0	13.0	9.0	1.5	2.8	3.0	0.8
4618	163174	H28344	68.4	11.0	11.0	9.0	2.0	1.5	0.6	3.6	1.3
9626	427909	AA001970	7.3	14.0	9.0	5.0	2.0	1.5	0.9	2.6	1.4
1687	591907	AA143436	6.1	8.0	8.0	6.0	4.0	1.5	2.9	0.0	1.4
3928	321708	W35399	40.4	19.0	11.0	5.0	0.0	1.5	1.1	2.6	1.3
11335	49842	H29268	8.7	20.0	10.0	4.0	0.0	1.5	1.6	2.6	1.2
11514	843206	AA488567	60.1	15.0	9.0	2.0	2.0	1.4	1.3	4.0	1.0
5938	783721	AA446924	22.1	13.0	5.0	4.0	3.0	1.4	0.0	3.2	1.5
18334	1031595	AA609483	12.8	8.0	7.0	6.0	4.0	1.4	4.3	0.8	0.8
8150	503581	AA131239	15.0	18.0	9.0	2.0	1.0	1.4	1.7	3.6	0.9
17929	49836	H29207	16.9	9.0	9.0	8.0	3.0	1.4	2.9	2.0	0.9
27696	111348	T85161	9.5	13.0	13.0	13.0	13.0	1.4	0.0	0.0	2.1
16504	757165	AA443950	43.7	15.0	8.0	2.0	2.0	1.4	3.9	0.8	0.8
1462	132549	R26700	10.1	18.0	8.0	2.0	1.0	1.4	1.6	3.0	1.0
12589	767706	AA417956	56.1	16.0	14.0	6.0	0.0	1.4	1.3	3.2	1.1
10274	26507	R20641	6.4	12.0	5.0	5.0	3.0	1.4	3.4	0.8	1.0
138	811108	AA485677	67.6	20.0	12.0	0.0	0.0	1.4	1.4	2.6	1.2
15246	346942	W94289	6.9	9.0	9.0	7.0	3.0	1.4	2.9	0.8	1.1
10488	588915	AA157813	231.2	11.0	9.0	8.0	2.0	1.4	3.4	3.2	0.4
4390	824602	AA491191	58.8	20.0	9.0	2.0	0.0	1.4	1.4	3.0	1.0
7530	51826	H24126	35.8	19.0	10.0	3.0	0.0	1.4	0.7	3.0	1.2
6453	50302	H17272	9.7	18.0	8.0	1.0	1.0	1.4	1.4	3.0	1.0
4515	115333	T86959	20.1	12.0	9.0	6.0	2.0	1.4	3.3	0.8	1.0
8025	52543	H23482	5.8	14.0	8.0	3.0	2.0	1.4	0.7	3.4	1.2
7050	325015	W48838	21.5	16.0	5.0	2.0	2.0	1.4	3.4	1.6	0.8
7250	82131	T68758	192.8	15.0	11.0	4.0	1.0	1.4	1.3	2.6	1.2
9651	364352	AA023022	5.2	10.0	7.0	6.0	3.0	1.4	2.9	0.8	1.1
8196	780947	AA429661	6.6	9.0	9.0	6.0	3.0	1.4	2.9	0.8	1.1
11650	376551	AA041476	9.0	7.0	6.0	6.0	4.0	1.4	4.0	0.0	0.9
3043	811006	AA485355	5.4	10.0	6.0	6.0	3.0	1.4	3.4	0.8	0.9
7270	855620	AA664241	757.4	14.0	11.0	5.0	1.0	1.4	1.1	2.6	1.2
21301	884513	AA630000	13.5	15.0	5.0	3.0	2.0	1.4	2.6	0.8	1.1
12169	745019	AA626028	7.2	9.0	8.0	6.0	3.0	1.4	2.9	0.4	1.1
14119	48277	H12264	6.0	9.0	9.0	5.0	3.0	1.4	2.9	0.6	1.1
17815	238689	H67236	5.8	7.0	7.0	5.0	4.0	1.4	2.9	0.6	1.1
7339	281162	N50962	9.0	9.0	8.0	6.0	3.0	1.4	2.9	0.8	1.0
5402	320763	W32135	53.4	18.0	10.0	4.0	0.0	1.4	1.9	2.8	0.9
8700	83388	T68527	5.1	10.0	6.0	5.0	3.0	1.3	3.4	1.6	0.7
11110	512103	AA133719	37.9	17.0	8.0	1.0	1.0	1.3	2.6	0.4	1.2
5460	27787	R40400	12.5	17.0	10.0	5.0	0.0	1.3	2.6	1.2	1.0
13567	783987	AA443286	5.7	9.0	7.0	6.0	3.0	1.3	2.9	0.8	1.0
3630	773188	AA428473	27.0	16.0	8.0	2.0	1.0	1.3	1.1	3.2	1.0
5002	44255	H05820	33.8	15.0	6.0	5.0	1.0	1.3	1.4	3.2	0.8
9445	811024	AA485528	113.1	11.0	7.0	6.0	2.0	1.3	3.7	2.6	0.3
18744	223180	H86198	149.3	10.0	5.0	4.0	3.0	1.3	3.1	0.4	0.9
21320	221341	H89955	37.1	11.0	4.0	3.0	3.0	1.3	3.1	1.2	0.8
18471	246800	N59078	52.4	19.0	8.0	1.0	0.0	1.3	0.9	2.6	1.1
3729	341269	W57855	7.4	9.0	6.0	5.0	3.0	1.3	2.9	0.4	1.0
6719	810041	AA455282	8.0	8.0	8.0	5.0	3.0	1.3	2.9	0.6	1.0

Table 5

12149	897271	AA677655	6.9	8.0	8.0	5.0	3.0	1.3	2.9	0.6	1.0
23354	186767	H50622	148.0	17.0	17.0	14.0	10.0	1.3	2.2	4.3	0.4
6454	725630	AA293211	172.1	14.0	8.0	4.0	1.0	1.2	1.9	3.2	0.7
1206	233721	H79047	115.1	12.0	7.0	3.0	2.0	1.2	1.9	3.0	0.7
8818	80338	T65736	48.8	12.0	7.0	3.0	2.0	1.2	0.4	5.8	0.6
9154	898044	AA598945	27.2	15.0	7.0	3.0	1.0	1.2	3.4	1.2	0.6
11093	50565	H16905	48.0	11.0	7.0	5.0	2.0	1.2	0.6	2.8	1.1
22190	1239859	AA705981	15.8	16.0	12.0	2.0	0.0	1.2	2.6	0.4	1.0
16882	29251	R41389	12.4	16.0	7.0	1.0	1.0	1.2	2.9	0.6	0.9
7669	33603	R43873	17.0	13.0	11.0	3.0	1.0	1.2	1.4	2.8	0.9
17702	590853	AA161283	5.6	8.0	6.0	6.0	3.0	1.2	2.9	0.8	0.9
15655	647816	AA206752	15.3	14.0	7.0	4.0	1.0	1.2	0.3	3.4	1.0
16351	43733	H04789	13.8	18.0	8.0	1.0	0.0	1.2	1.0	2.6	1.0
20515	344764	W74701	21.8	9.0	6.0	3.0	3.0	1.2	2.9	0.4	0.9
16384	53081	R16259	35.3	15.0	11.0	4.0	0.0	1.2	1.3	2.8	0.9
18781	265868	N21470	31.0	19.0	6.0	1.0	0.0	1.2	1.6	2.6	0.8
21134	199027	H83123	65.9	15.0	12.0	3.0	0.0	1.2	2.7	2.0	0.6
7649	49469	H16581	155.8	9.0	7.0	7.0	2.0	1.2	0.6	4.0	0.8
10442	429468	AA007633	5.8	6.0	4.0	4.0	4.0	1.2	4.6	2.4	0.0
15084	591814	AA143467	23.6	12.0	6.0	2.0	2.0	1.2	3.1	0.4	0.8
18435	205582	H58175	109.4	5.0	5.0	5.0	4.0	1.2	2.9	0.0	1.0
6831	950516	AA599138	43.3	17.0	3.0	1.0	1.0	1.2	1.1	2.6	0.9
6505	26997	R37145	148.7	13.0	8.0	3.0	1.0	1.2	0.7	3.2	0.9
21634	129375	R12708	93.7	11.0	7.0	2.0	2.0	1.2	4.0	1.2	0.4
12607	43966	H04828	19.9	8.0	5.0	4.0	3.0	1.2	0.6	4.6	0.6
1739	120634	T95125	144.0	7.0	7.0	4.0	3.0	1.2	3.4	0.6	0.6
4561	293990	N95656	90.9	8.0	6.0	3.0	3.0	1.2	3.1	0.4	0.8
4266	212496	H70017	12.8	14.0	5.0	4.0	1.0	1.2	0.0	2.8	1.2
8674	773286	AA425513	62.7	16.0	10.0	1.0	0.0	1.2	0.7	2.6	1.0
2735	667598	AA228130	49.3	18.0	7.0	0.0	0.0	1.2	1.3	2.6	0.8
8963	771128	AA429398	5.2	9.0	7.0	6.0	2.0	1.2	2.9	0.8	0.8
12853	625846	AA186732	40.6	12.0	4.0	2.0	2.0	1.1	3.1	1.2	0.6
4140	261836	N23578	12.7	13.0	6.0	4.0	1.0	1.1	0.3	3.0	1.0
3295	211024	H65775	34.7	8.0	5.0	3.0	3.0	1.1	3.1	0.4	0.7
4567	280286	N50274	6.3	8.0	8.0	6.0	2.0	1.1	2.9	0.0	0.9
4251	289551	N79708	41.4	17.0	8.0	0.0	0.0	1.1	1.9	2.6	0.6
7641	796309	AA461309	206.8	11.0	5.0	2.0	2.0	1.1	0.6	4.4	0.6
17524	738970	AA421769	45.0	17.0	7.0	0.0	0.0	1.1	1.0	2.8	0.8
5644	136801	R36181	89.1	14.0	9.0	4.0	0.0	1.1	2.6	0.8	0.8
5629	22711	T74714	7.7	8.0	7.0	5.0	2.0	1.1	2.9	0.8	0.6
18383	1455976	AA862371	777.2	9.0	6.0	3.0	2.0	1.1	3.3	0.6	0.5
10317	47059	H11016	63.1	10.0	7.0	6.0	1.0	1.1	0.3	3.2	0.8
12061	502618	AA126706	5.9	9.0	6.0	3.0	2.0	1.1	3.1	0.6	0.6
6599	365955	AA063598	184.9	7.0	4.0	3.0	3.0	1.1	2.9	0.6	0.6
27542	1637282	AI005515	44.0	20.0	14.0	11.0	9.0	1.0	0.6	3.3	0.7
11127	595078	AA164818	40.3	10.0	8.0	4.0	1.0	1.0	2.0	4.4	0.1
21652	452512	AA778756	20.4	12.0	6.0	2.0	1.0	1.0	3.0	1.4	0.4
1918	155201	R70361	116.4	9.0	5.0	3.0	2.0	1.0	3.1	0.6	0.5
11651	299943	W07014	8.0	5.0	5.0	5.0	3.0	1.0	4.3	1.6	0.0
1292	199251	R95830	23.2	7.0	3.0	3.0	3.0	1.0	2.9	0.0	0.7
12026	795531	AA459781	5.6	8.0	5.0	5.0	2.0	1.0	2.9	0.0	0.7
609	193892	H51765	28.7	16.0	5.0	1.0	0.0	1.0	2.6	0.8	0.6
18440	175828	H41595	5.6	10.0	4.0	2.0	2.0	1.0	2.9	0.4	0.6
7363	178856	H49517	480.4	7.0	3.0	3.0	3.0	1.0	2.9	0.4	0.6
6640	811139	AA486460	110.0	11.0	6.0	3.0	1.0	1.0	1.1	4.2	0.3
1352	194656	R84407	128.9	9.0	4.0	3.0	2.0	1.0	3.3	0.4	0.5
2622	195132	R91215	94.4	8.0	6.0	3.0	2.0	1.0	3.1	0.6	0.5

Table 5

7217	50914	H19105	14.0	6.0	4.0	3.0	3.0	1.0	0.0	2.6	1.0
18529	395459	AA757455	138.9	5.0	5.0	4.0	3.0	1.0	2.9	0.0	0.7
7862	770860	AA434484	310.7	10.0	3.0	2.0	2.0	1.0	2.6	0.6	0.6
8973	377217	AA055179	38.9	8.0	6.0	3.0	2.0	1.0	2.9	0.6	0.6
1908	417711	W88967	110.0	12.0	8.0	4.0	0.0	1.0	1.4	3.0	0.4
3848	243675	N49914	115.6	8.0	5.0	3.0	2.0	1.0	3.1	0.4	0.5
3307	121412	T96908	48.4	9.0	3.0	3.0	2.0	1.0	3.1	0.8	0.4
6313	325128	W49781	10.9	10.0	7.0	3.0	1.0	1.0	0.3	2.6	0.8
9198	841633	AA487483	35.3	11.0	6.0	2.0	1.0	1.0	0.6	2.8	0.7
3365	204098	H55897	50.6	8.0	6.0	2.0	2.0	1.0	2.6	0.4	0.6
7083	267293	N24609	163.3	6.0	3.0	3.0	3.0	1.0	2.9	0.0	0.6
22256	461436	AA705219	203.8	8.0	5.0	3.0	2.0	1.0	2.9	0.0	0.6
19371	684160	AA251137	253.5	7.0	7.0	3.0	2.0	1.0	2.9	0.6	0.5
20182	196544	R91566	236.0	13.0	6.0	4.0	0.0	1.0	2.6	2.0	0.3
24869	884951	AA629668	755.7	15.0	14.0	13.0	10.0	1.0	4.0	1.8	0.0
21840	360761	AA017104	33.7	9.0	3.0	2.0	2.0	0.9	3.1	0.4	0.4
20144	383619	AA679067	111.6	8.0	4.0	3.0	2.0	0.9	3.1	0.6	0.4
19600	814501	AA459358	67.7	5.0	4.0	3.0	3.0	0.9	2.9	0.6	0.5
19863	684798	AA251548	78.7	8.0	4.0	3.0	2.0	0.9	2.9	0.8	0.4
21136	384134	AA702193	316.9	8.0	4.0	2.0	2.0	0.9	3.1	0.6	0.4
21384	221778	H92216	594.2	8.0	4.0	2.0	2.0	0.9	3.1	0.4	0.4
21119	152293	H04771	363.5	11.0	4.0	2.0	1.0	0.9	3.1	1.0	0.3
1963	361943	AA001444	38.2	8.0	7.0	5.0	1.0	0.9	1.3	4.4	0.1
21530	746075	AA482037	87.0	8.0	4.0	2.0	2.0	0.9	3.3	0.4	0.4
9635	194607	R87650	92.4	7.0	5.0	3.0	2.0	0.9	3.3	0.6	0.3
8862	200656	R98407	40.8	13.0	6.0	2.0	0.0	0.9	0.7	3.2	0.5
19959	294503	N69528	71.4	8.0	4.0	2.0	2.0	0.9	3.1	0.4	0.4
7367	201217	R99293	121.5	5.0	3.0	3.0	3.0	0.9	2.9	0.0	0.6
7437	809806	AA454753	136.0	8.0	3.0	3.0	2.0	0.9	2.9	0.0	0.6
23131	462939	AA682419	71.6	17.0	15.0	12.0	9.0	0.9	1.2	3.3	0.3
5504	859359	AA668595	5.0	9.0	5.0	4.0	1.0	0.9	0.3	2.6	0.7
21140	364271	AA021545	95.2	8.0	3.0	2.0	2.0	0.9	2.9	0.4	0.4
18710	191530	H37860	6.4	10.0	5.0	2.0	1.0	0.9	1.6	2.8	0.3
460	153411	R48091	101.1	8.0	7.0	3.0	1.0	0.9	0.9	4.2	0.2
1231	265680	N25352	23.6	8.0	5.0	5.0	1.0	0.9	0.3	5.2	0.2
20512	450819	AA682599	84.3	6.0	5.0	3.0	2.0	0.9	3.3	0.8	0.2
17958	787876	AA452156	123.0	7.0	3.0	3.0	2.0	0.9	3.1	0.4	0.3
18599	416044	W85784	70.4	7.0	3.0	3.0	2.0	0.9	3.1	0.4	0.3
1029	110980	T90360	49.0	7.0	3.0	3.0	2.0	0.9	3.1	0.4	0.3
1797	124090	R02591	16.6	8.0	2.0	2.0	2.0	0.9	3.1	0.4	0.3
20077	825798	AA505122	6.6	4.0	3.0	3.0	3.0	0.9	3.1	0.0	0.4
14727	840514	AA485969	166.2	6.0	5.0	3.0	2.0	0.9	2.9	0.6	0.4
20355	209082	H60739	934.3	6.0	4.0	3.0	2.0	0.8	3.1	0.0	0.4
2954	241539	H90603	88.7	6.0	5.0	2.0	2.0	0.8	3.3	0.6	0.2
5983	134235	R31154	69.8	6.0	5.0	2.0	2.0	0.8	3.3	0.6	0.2
20634	711473	AA281426	47.8	7.0	3.0	2.0	2.0	0.8	3.1	1.0	0.2
9793	279970	N57553	5.5	6.0	4.0	3.0	2.0	0.8	3.4	0.0	0.3
18401	813265	AA456404	50.1	12.0	5.0	2.0	0.0	0.8	1.0	2.6	0.4
20204	363081	AA019335	53.1	6.0	4.0	3.0	2.0	0.8	2.9	0.0	0.4
16326	323041	W42527	418.1	7.0	3.0	2.0	2.0	0.8	2.9	0.4	0.4
10162	272327	N32199	199.8	6.0	4.0	3.0	2.0	0.8	2.9	0.6	0.3
22088	392607	AA708240	322.9	7.0	2.0	2.0	2.0	0.8	3.1	0.4	0.2
21303	700790	AA284071	543.1	6.0	3.0	3.0	2.0	0.8	3.1	0.4	0.2
22166	322194	W37782	254.4	6.0	4.0	2.0	2.0	0.8	3.1	0.0	0.3
5200	199327	R95916	109.0	5.0	5.0	3.0	2.0	0.8	3.3	0.6	0.2
21287	700688	AA283874	38.6	6.0	4.0	2.0	2.0	0.8	3.3	0.4	0.2
1907	233579	H78482	88.8	5.0	5.0	3.0	2.0	0.8	3.3	0.6	0.2

Table 5

8864	429011	AA004719	81.5	3.0	3.0	3.0	3.0	0.8	2.9	0.0	0.4
7075	143145	R73744	187.4	6.0	3.0	3.0	2.0	0.8	2.9	0.4	0.3
23511	855244	AA630545	29.1	17.0	14.0	10.0	9.0	0.8	0.8	2.5	0.4
20009	396307	AA758454	522.7	5.0	5.0	2.0	2.0	0.8	3.3	0.6	0.1
14473	277076	N34288	406.7	6.0	3.0	2.0	2.0	0.8	3.1	0.4	0.2
1422	110987	T90369	136.2	5.0	4.0	3.0	2.0	0.8	3.3	0.4	0.2
20480	450802	AA682573	5.8	6.0	3.0	2.0	2.0	0.8	3.3	0.0	0.2
3463	183476	H45617	44.2	5.0	4.0	3.0	2.0	0.8	3.3	0.4	0.2
2257	292424	N68408	20.7	6.0	3.0	2.0	2.0	0.8	3.1	0.4	0.2
289	200031	R97106	5.1	6.0	3.0	2.0	2.0	0.8	3.1	0.6	0.2
21887	132354	R25249	343.6	6.0	3.0	2.0	2.0	0.8	2.9	0.4	0.3
20416	219861	H81716	568.6	5.0	4.0	2.0	2.0	0.8	3.1	0.6	0.1
22107	140299	R66923	366.3	6.0	2.0	2.0	2.0	0.8	3.1	0.4	0.2
20682	126847	R07196	325.0	6.0	2.0	2.0	2.0	0.8	3.1	0.8	0.1
12656	290378	N64508	204.7	8.0	4.0	2.0	1.0	0.8	0.3	3.0	0.4
20399	295623	N72600	283.3	6.0	2.0	2.0	2.0	0.8	3.1	0.4	0.2
22244	461363	AA704908	266.1	6.0	2.0	2.0	2.0	0.8	3.1	0.4	0.2
22080	392673	AA708348	574.1	5.0	3.0	3.0	2.0	0.8	3.1	0.0	0.2
15197	245555	N77229	113.5	6.0	2.0	2.0	2.0	0.8	3.1	0.4	0.2
20403	211234	H67678	257.8	5.0	4.0	2.0	2.0	0.8	3.1	0.6	0.1
21168	384224	AA702077	133.1	6.0	2.0	2.0	2.0	0.8	3.1	0.0	0.2
18447	246504	N57632	134.7	5.0	4.0	2.0	2.0	0.8	3.1	0.6	0.1
20520	450836	AA682597	101.9	5.0	4.0	2.0	2.0	0.8	3.1	0.6	0.1
20620	364098	AA021131	76.5	5.0	4.0	2.0	2.0	0.8	3.3	0.6	0.1
20276	452059	AA707121	77.4	5.0	4.0	2.0	2.0	0.8	3.3	0.6	0.1
19912	190972	H37909	45.6	5.0	3.0	3.0	2.0	0.8	3.1	0.4	0.2
21969	413089	AA707806	17.8	6.0	2.0	2.0	2.0	0.8	3.1	0.0	0.2
8777	40104	R54594	5.9	8.0	5.0	1.0	1.0	0.8	0.4	3.0	0.4
21596	381021	AA057425	13.3	5.0	3.0	3.0	2.0	0.8	3.1	0.0	0.2
9368	435330	AA699926	9.0	6.0	2.0	2.0	2.0	0.8	3.1	0.0	0.2
9193	79960	T63520	98.0	6.0	6.0	4.0	1.0	0.8	0.0	2.8	0.6
8405	796127	AA460965	138.5	6.0	6.0	4.0	1.0	0.8	0.4	2.8	0.4
12440	198526	94858::R94859	380.6	5.0	4.0	2.0	2.0	0.8	2.9	0.0	0.3
329	245235	N54497	60.7	5.0	3.0	3.0	2.0	0.8	2.9	0.0	0.3
21788	460218	AA677457	32.1	5.0	4.0	2.0	2.0	0.8	2.9	0.0	0.3
10485	505385	AA147540	43.6	5.0	3.0	3.0	2.0	0.8	2.9	0.0	0.3
14326	838230	AA458674	44.1	5.0	3.0	3.0	2.0	0.8	2.9	0.0	0.3
10027	503725	AA131530	180.5	5.0	3.0	3.0	2.0	0.8	2.9	0.4	0.2
18541	413120	AA707819	548.8	5.0	3.0	2.0	2.0	0.7	3.1	0.6	0.1
20856	220394	H87241	334.6	5.0	3.0	2.0	2.0	0.7	3.1	0.4	0.1
564	838359	AA457178	234.8	5.0	3.0	2.0	2.0	0.7	3.3	0.4	0.1
16789	293975	N64024	62.6	5.0	3.0	2.0	2.0	0.7	3.1	0.4	0.1
20400	220022	H84584	108.0	5.0	3.0	2.0	2.0	0.7	3.1	0.4	0.1
18712	222022	H83309	91.7	5.0	3.0	2.0	2.0	0.7	3.1	0.4	0.1
2161	276286	R94591	98.0	5.0	3.0	2.0	2.0	0.7	3.1	0.4	0.1
1875	205417	H57816	40.1	5.0	3.0	2.0	2.0	0.7	3.1	0.4	0.1
11183	294136	N68594	44.1	5.0	3.0	2.0	2.0	0.7	3.1	0.0	0.2
21875	246851	N59109	107.3	5.0	3.0	2.0	2.0	0.7	2.9	0.0	0.3
21776	460143	AA676865	29.9	5.0	3.0	2.0	2.0	0.7	2.9	0.0	0.3
18551	415757	W84754	17.1	5.0	3.0	2.0	2.0	0.7	2.9	0.4	0.2
19790	290158	N62206	411.6	5.0	3.0	2.0	2.0	0.7	2.9	0.8	0.1
19447	293798	N94233	683.2	5.0	3.0	2.0	2.0	0.7	2.9	0.8	0.1
21086	383999	AA702623	643.2	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
18853	266455	N21688	405.2	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
21104	384006	AA702627	442.0	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
20859	214158	H77595	395.9	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
20427	211387	H66675	252.4	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1

Table 5

11117	50805	H17634	96.8	8.0	2.0	2.0	1.0	0.7	0.3	3.2	0.3
18752	223231	H86589	192.8	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
20156	362773	AA018556	188.3	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
14106	309119	N98238	133.9	4.0	4.0	2.0	2.0	0.7	3.3	0.6	0.0
21646	203179	H54658	101.6	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
18919	248073	N58392	123.4	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
4542	295514	N74930	151.7	4.0	4.0	2.0	2.0	0.7	3.3	0.0	0.1
20287	435126	AA701328	66.2	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
20757	270331	N29457	136.8	4.0	3.0	3.0	2.0	0.7	3.1	0.0	0.2
2213	242084	H93339	38.7	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
17659	27711	R40025	34.8	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
15555	898228	AA598615	24.7	10.0	4.0	2.0	0.0	0.7	0.7	3.0	0.2
20749	270217	N33530	9.9	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
7416	855547	AA664195	67.1	10.0	4.0	2.0	0.0	0.7	1.0	2.6	0.2
21734	322136	W37532	416.4	5.0	2.0	2.0	2.0	0.7	2.9	0.0	0.2
13695	48299	H14391	183.5	4.0	3.0	3.0	2.0	0.7	2.9	0.4	0.2
16279	139304	R63760	173.2	4.0	3.0	3.0	2.0	0.7	2.9	0.4	0.2
20392	219963	H85705	77.4	4.0	3.0	3.0	2.0	0.7	2.9	0.4	0.2
14331	255651	N27637	259.1	4.0	3.0	3.0	2.0	0.7	2.9	0.4	0.2
12343	259275	N32847	707.4	4.0	3.0	3.0	2.0	0.7	2.9	0.4	0.2
19439	293654	N69648	346.8	5.0	2.0	2.0	2.0	0.7	2.9	0.8	0.1
19988	436055	AA700025	160.5	4.0	3.0	2.0	2.0	0.7	3.1	0.6	0.0
20039	430527	AA676340	169.5	4.0	3.0	2.0	2.0	0.7	3.1	0.0	0.1
20330	824889	AA488898	92.2	4.0	3.0	2.0	2.0	0.7	3.3	0.4	0.0
11437	24938	T80564	6.3	7.0	3.0	2.0	1.0	0.7	0.9	3.2	0.1
10118	241699	H91641	16.8	4.0	3.0	2.0	2.0	0.7	3.1	0.0	0.1
6897	71312	T47624	51.1	7.0	3.0	2.0	1.0	0.7	0.0	2.8	0.4
15253	247110	N57865	695.9	4.0	3.0	2.0	2.0	0.7	2.9	0.0	0.2
19690	898190	AA598559	25.6	7.0	3.0	2.0	1.0	0.7	2.6	0.6	0.2
19757	267778	N25598	536.9	4.0	3.0	2.0	2.0	0.7	2.9	0.4	0.1
12715	281970	N53328	151.3	4.0	3.0	2.0	2.0	0.7	2.9	0.4	0.1
20600	383823	AA704650	137.0	4.0	2.0	2.0	2.0	0.6	3.1	0.0	0.1
9706	347516	W81410	116.9	4.0	2.0	2.0	2.0	0.6	3.1	0.0	0.1
11943	229776	67393::H67448	45.6	4.0	2.0	2.0	2.0	0.6	3.1	0.0	0.1
18569	395409	AA757414	54.6	4.0	2.0	2.0	2.0	0.6	3.1	0.4	0.0
11935	211870	H66708	43.1	4.0	2.0	2.0	2.0	0.6	3.1	0.0	0.1
20664	383933	AA702720	5.5	4.0	2.0	2.0	2.0	0.6	3.1	0.0	0.1
11098	884500	AA629987	292.2	6.0	4.0	2.0	1.0	0.6	0.3	2.8	0.3
13014	31237	R42836	82.4	3.0	3.0	3.0	2.0	0.6	2.9	0.0	0.2
13882	118049	T92232	231.9	3.0	3.0	3.0	2.0	0.6	2.9	0.0	0.2
19432	179076	H50041	184.6	3.0	3.0	3.0	2.0	0.6	2.9	0.0	0.2
10427	195801	R89104	87.1	3.0	3.0	3.0	2.0	0.6	2.9	0.0	0.2
13160	233246	H75776	291.4	3.0	3.0	3.0	2.0	0.6	2.9	0.0	0.2
6602	271830	N35156	53.7	3.0	3.0	3.0	2.0	0.6	2.9	0.0	0.2
3	345559	W76177	5.4	4.0	2.0	2.0	2.0	0.6	2.9	0.0	0.2
21084	364111	AA021202	498.2	3.0	3.0	3.0	2.0	0.6	2.9	0.0	0.2
13606	796369	AA456148	30.2	3.0	3.0	3.0	2.0	0.6	2.9	0.0	0.2
18975	275116	R85452	93.1	4.0	2.0	2.0	2.0	0.6	2.9	0.4	0.1
12966	30580	R42182	128.6	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
16846	37604	R51085	194.8	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
14931	42330	R61187	43.7	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
14085	112488	T91039	217.0	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
11139	195274	R92056	39.7	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
15637	200417	R97240	478.9	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
8579	230016	H71320	113.8	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
9608	248232	N78063	170.6	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
17877	262327	H99398	127.1	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1

Table 5

15561	280826	N50675	228.7	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
14445	283688	N52938	208.9	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
15147	290227	N77552	103.9	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
16659	293056	N92689	694.1	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
14300	344550	W73597	197.7	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
18740	361379	AA017359	224.2	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
20116	362686	AA018618	281.0	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
20488	450877	AA682671	9.4	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
10167	809674	AA454689	96.8	3.0	3.0	2.0	2.0	0.6	2.9	0.0	0.1
21767	701120	AA287339	445.9	3.0	2.0	2.0	2.0	0.6	3.1	0.0	0.0
17654	38804	R49117	145.0	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
14045	110167	T71214	249.1	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
8967	195547	R89225	183.4	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
16288	197838	R96198	592.8	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
16272	199036	H82812	167.2	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
22094	203878	H56452	71.1	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
8879	203888	H56640	29.3	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
19411	207679	H59093	101.6	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
11911	210803	H67707	148.0	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
16397	214233	H77641	574.9	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
14817	244659	N54925	242.3	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
18927	248528	N59757	145.0	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
17149	251195	H97385	921.8	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
22177	264692	N20407	627.0	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
16713	279306	N46353	272.7	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
15803	282481	N54653	154.5	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
20423	295454	N76088	96.0	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
18724	361317	AA017301	126.8	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
18532	435714	AA699972	5.5	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
14397	629907	AA219229	69.4	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
17802	743275	AA400412	220.4	3.0	2.0	2.0	2.0	0.6	2.9	0.0	0.1
19907	208897	H63763	288.6	3.0	2.0	2.0	2.0	0.6	2.9	0.4	0.0
5723	212542	H68663	39.7	8.0	4.0	1.0	0.0	0.6	0.3	3.0	0.2
17020	126810	R07268	161.6	2.0	2.0	2.0	2.0	0.5	2.9	0.0	0.0
15582	248258	N78077	468.8	2.0	2.0	2.0	2.0	0.5	2.9	0.0	0.0
9574	626548	AA187979	21.8	4.0	2.0	2.0	1.0	0.5	0.0	2.8	0.2



Table 5A

#	Clone Id	Accession No.	Ave-As-					0				
			Normal	2fold	3fold	5fold	10fold					
2750	141966	R68803	128.3	37.0	37.0	37.0	37.0	10.0	10.0	10.0	10.0	10.0
1134	297212	W03754	89.7	37.0	37.0	37.0	37.0	10.0	10.0	10.0	10.0	10.0
9034	756687	AA444092	525.8	37.0	37.0	37.0	37.0	10.0	10.0	10.0	10.0	10.0
23636	1527047	AA916552	102.8	37.0	37.0	37.0	37.0	10.0	10.0	10.0	10.0	10.0
9566	345680	W76278	302.1	37.0	37.0	37.0	36.0	9.8	9.1	10.0	10.0	10.0
21822	859858	AA679454	426.8	37.0	37.0	37.0	36.0	9.8	10.0	8.8	10.0	10.0
24179	773558	AA428394	208.8	37.0	37.0	37.0	36.0	9.8	10.0	8.5	10.0	10.0
22482	207558	H60173	484.4	37.0	37.0	37.0	36.0	9.8	8.8	10.0	10.0	10.0
3782	248545	N78234	135.4	36.0	36.0	36.0	36.0	9.7	10.0	8.0	10.0	10.0
5727	135713	R32428	112.9	37.0	37.0	37.0	34.0	9.5	10.0	10.0	9.3	9.3
15295	1410444	AA857183	165.9	37.0	37.0	37.0	34.0	9.5	8.3	10.0	9.8	9.8
10602	256907	N40887	327.8	35.0	35.0	35.0	35.0	9.5	8.8	8.0	10.0	10.0
25297	307053	W21015	102.5	37.0	37.0	37.0	34.0	9.4	8.8	7.0	10.0	10.0
18767	148954	H04585	82.1	37.0	37.0	37.0	33.0	9.4	10.0	10.0	9.0	9.0
2965	246722	N57754	365.8	37.0	37.0	36.0	32.0	9.2	8.1	10.0	9.3	9.3
15915	416113	W85900	216.9	37.0	37.0	36.0	31.0	9.0	7.3	7.6	9.8	9.8
7442	199367	R95691	342.0	37.0	36.0	36.0	30.0	8.8	8.9	7.8	9.0	9.0
22430	148071	H13237	54.6	36.0	36.0	35.0	32.0	8.8	8.8	6.5	8.8	8.8
683	52096	H23235	153.7	37.0	36.0	35.0	29.0	8.6	8.0	7.4	9.0	9.0
1166	343072	W67174	586.4	37.0	35.0	32.0	27.0	8.2	8.1	7.6	8.3	8.3
9038	128753	R14607	83.5	37.0	36.0	35.0	26.0	8.1	8.0	7.4	8.3	8.3
9308	771004	AA427719	69.7	37.0	37.0	36.0	25.0	8.0	7.3	7.6	8.3	8.3
15435	731311	AA416767	214.5	37.0	36.0	31.0	28.0	8.0	8.1	10.0	7.6	7.6
5545	251685	H96738	162.1	36.0	36.0	33.0	25.0	7.9	6.9	6.4	8.4	8.4
12155	76169	T59658	227.8	37.0	37.0	35.0	23.0	7.7	7.4	5.2	8.2	8.2
3964	839101	AA487623	331.1	33.0	31.0	29.0	28.0	7.6	6.4	8.8	7.7	7.7
4335	139009	R62662	1032.6	35.0	34.0	31.0	24.0	7.5	7.3	10.0	7.1	7.1
15356	239611	H79533	123.6	37.0	36.0	33.0	22.0	7.4	7.1	6.4	7.7	7.7
19962	878596	AA775257	65.1	37.0	36.0	33.0	22.0	7.4	6.0	7.6	7.8	7.8
4748	505059	AA151025	90.8	37.0	37.0	37.0	21.0	7.4	6.6	8.8	7.4	7.4
12636	1492230	AA875933	130.1	35.0	35.0	30.0	22.0	7.2	9.1	6.6	6.8	6.8
26894	1636447	AA999901	169.0	37.0	37.0	34.0	24.0	7.1	5.2	5.0	8.1	8.1
5008	139009	R62662	995.7	35.0	34.0	31.0	21.0	7.1	7.3	8.8	6.6	6.6
13138	950450	AA599094	111.5	36.0	35.0	31.0	20.0	7.0	5.0	3.2	8.3	8.3
10920	250654	H95959	1562.0	34.0	33.0	29.0	21.0	6.9	6.7	4.6	7.4	7.4
2699	45542	H08561	242.1	37.0	36.0	35.0	18.0	6.8	7.4	7.6	6.5	6.5
3252	841664	AA487560	135.3	33.0	33.0	31.0	20.0	6.8	5.3	5.2	7.5	7.5
24459	470035	AA029185	67.8	37.0	37.0	37.0	21.0	6.6	7.6	5.5	6.5	6.5
20047	430558	AA677716	71.7	37.0	37.0	36.0	18.0	6.6	7.4	7.4	6.2	6.2
7423	245277	N72450	83.3	37.0	36.0	32.0	16.0	6.4	5.4	6.0	6.8	6.8
13809	811955	AA490630	57.5	37.0	37.0	37.0	15.0	6.4	5.7	5.2	6.9	6.9
11276	433567	AA701652	40.9	36.0	34.0	27.0	17.0	6.4	7.3	5.0	6.2	6.2
18423	1472689	AA873159	395.7	35.0	34.0	28.0	17.0	6.3	5.4	7.4	6.3	6.3
22115	148650	H12722	38.6	37.0	37.0	37.0	14.0	6.3	7.4	4.0	6.4	6.4
20183	151067	H02039	73.0	37.0	37.0	31.0	15.0	6.3	9.0	5.0	5.8	5.8
27116	1572196	AA931725	120.3	36.0	34.0	32.0	21.0	6.2	5.0	2.5	7.3	7.3
17509	284684	N64817	52.3	37.0	37.0	34.0	13.0	6.0	4.7	5.0	6.6	6.6
14200	434768	AA701860	69.9	33.0	31.0	28.0	16.0	6.0	6.4	6.4	5.8	5.8
561	840511	AA486321	2164.8	34.0	30.0	26.0	16.0	5.9	5.1	5.0	6.4	6.4
4779	786398	AA459941	64.6	34.0	33.0	28.0	15.0	5.9	4.9	3.8	6.6	6.6
10055	809473	AA443119	340.1	37.0	32.0	23.0	15.0	5.9	7.1	5.0	5.8	5.8
25007	462412	AA699878	433.8	35.0	32.0	27.0	21.0	5.9	6.6	4.5	6.0	6.0
5448	23185	T77595	325.3	36.0	34.0	28.0	14.0	5.9	5.0	8.8	5.6	5.6
26134	1606557	AA995282	192.5	37.0	37.0	29.0	19.0	5.9	4.8	5.3	6.3	6.3
27376	857612	AA782333	148.1	37.0	37.0	34.0	18.0	5.8	5.2	5.5	6.1	6.1
3488	768443	AA495936	167.4	33.0	29.0	24.0	16.0	5.8	4.6	8.8	5.6	5.6
15660	1435862	AA937895	327.0	34.0	32.0	25.0	15.0	5.8	5.3	6.2	5.9	5.9
22201	265668	N31459	49.7	37.0	37.0	31.0	12.0	5.8	4.7	3.4	6.6	6.6
4013	122159	T98611	711.3	34.0	31.0	23.0	15.0	5.7	6.0	4.8	5.8	5.8
11775	45327	H08548	171.8	35.0	32.0	26.0	14.0	5.7	5.1	5.6	5.9	5.9
23810	233679	H78536	65.0	37.0	37.0	35.0	17.0	5.6	7.4	4.0	5.5	5.5
7523	773479	AA427899	272.4	31.0	28.0	22.0	16.0	5.6	5.7	5.2	5.7	5.7
14560	378488	AA777187	496.3	33.0	28.0	24.0	15.0	5.6	5.9	3.2	6.0	6.0
13759	438121	AA701996	50.8	30.0	26.0	25.0	16.0	5.6	4.3	3.2	6.4	6.4
4375	122159	T98611	653.5	33.0	31.0	25.0	14.0	5.6	6.1	4.8	5.6	5.6
4714	825295	AA504535	42.4	35.0	35.0	32.0	11.0	5.5	4.7	4.4	5.9	5.9
16080	436094	AA700832	444.1	33.0	31.0	22.0	14.0	5.5	5.0	7.2	5.3	5.3

Table 5A

15287	706613	AA461456	136.8	35.0	31.0	23.0	13.0	5.5	7.0	4.8	5.2
2855	81289	T60048	228.3	35.0	30.0	27.0	12.0	5.4	5.6	4.8	5.5
1798	204545	H58644	101.0	35.0	32.0	24.0	12.0	5.4	4.1	6.2	5.5
8435	629906	AA219099	52.2	36.0	36.0	30.0	10.0	5.4	4.1	4.8	5.8
15929	757143	AA443936	34.1	36.0	35.0	25.0	11.0	5.4	3.1	4.0	6.2
3590	840878	AA482228	454.0	30.0	25.0	22.0	15.0	5.3	8.6	7.2	4.0
21338	1474174	AA936789	163.0	34.0	30.0	21.0	13.0	5.3	5.3	6.0	5.2
13382	785701	AA449333	204.7	35.0	29.0	22.0	12.0	5.2	4.9	5.0	5.4
26459	323599	W44452	123.6	34.0	34.0	26.0	18.0	5.2	6.6	7.0	4.5
26307	460258	AA677602	219.4	35.0	35.0	28.0	17.0	5.2	6.2	5.0	4.9
13134	796266	AA461128	58.4	37.0	36.0	26.0	9.0	5.1	3.4	3.2	6.0
16948	306829	W24091	50.6	37.0	37.0	31.0	8.0	5.1	5.4	5.2	5.0
14549	813628	AA453662	217.3	38.0	32.0	20.0	11.0	5.1	5.0	4.0	5.4
13669	282144	N51883	285.1	32.0	29.0	23.0	12.0	5.1	3.6	8.8	4.8
22557	24392	T78769	72.1	24.0	23.0	23.0	23.0	5.1	6.0	5.0	4.8
13325	69002	T54298	81.6	37.0	31.0	28.0	9.0	5.1	3.1	3.2	6.0
5515	897806	AA598526	252.5	35.0	33.0	22.0	10.0	5.0	3.4	5.4	5.4
22410	122138	T98491	95.6	23.0	23.0	23.0	23.0	5.0	6.0	5.0	4.7
24611	435956	AA701967	106.9	23.0	23.0	23.0	23.0	5.0	6.0	5.0	4.7
4620	202535	H53339	357.1	33.0	28.0	18.0	12.0	5.0	7.6	4.0	4.4
8355	238886	H67188	271.4	35.0	22.0	20.0	12.0	5.0	5.4	5.2	4.8
5846	810331	AA464152	166.6	34.0	31.0	24.0	10.0	4.9	3.3	2.2	6.0
16673	843088	AA488676	184.0	31.0	27.0	21.0	12.0	4.9	3.0	5.4	5.4
5074	813823	AA447781	128.8	33.0	32.0	26.0	9.0	4.8	4.6	7.4	4.4
5810	32609	R43734	101.7	37.0	30.0	20.0	9.0	4.8	4.0	4.2	5.2
3681	144881	R78586	356.3	34.0	30.0	20.0	10.0	4.8	5.3	3.6	4.9
17073	839081	AA488732	227.2	35.0	30.0	24.0	9.0	4.8	3.1	3.6	5.5
484	214162	H77786	265.2	33.0	26.0	18.0	11.0	4.8	7.7	3.8	4.1
4670	812048	AA455969	212.1	31.0	28.0	19.0	11.0	4.7	5.0	6.2	4.4
569	49164	H16637	56.4	33.0	28.0	21.0	10.0	4.7	5.1	4.2	4.7
21069	898098	AA598796	59.0	27.0	24.0	19.0	13.0	4.7	3.7	5.6	4.8
6367	245990	N76834	676.1	31.0	29.0	17.0	11.0	4.7	6.7	4.0	4.3
20202	876545	AA775874	1247.3	26.0	21.0	17.0	14.0	4.7	4.7	4.4	4.8
23849	878714	AA775384	59.2	36.0	36.0	35.0	13.0	4.7	4.0	5.5	4.7
5649	246620	N53133	591.5	30.0	26.0	21.0	11.0	4.7	3.6	6.0	4.7
1664	297392	N80129	352.4	33.0	28.0	17.0	10.0	4.6	6.7	4.2	4.1
12279	744647	AA621315	150.9	35.0	29.0	24.0	8.0	4.6	2.6	3.2	5.5
173	208001	H60548	375.5	36.0	29.0	21.0	8.0	4.6	4.0	4.8	4.7
4725	247117	N57872	205.9	32.0	28.0	18.0	10.0	4.6	6.7	4.0	4.1
1939	120881	T96082	112.7	37.0	32.0	20.0	7.0	4.5	5.9	4.8	4.1
14340	243410	N48138	63.4	36.0	34.0	20.0	7.0	4.5	3.0	3.0	5.3
28584	823655	AA496988	107.7	36.0	36.0	31.0	13.0	4.5	5.0	3.8	4.6
5060	809992	AA454852	297.6	32.0	27.0	16.0	10.0	4.5	5.4	5.6	4.0
2791	82710	T73535	221.3	35.0	33.0	28.0	6.0	4.5	4.9	4.4	4.4
23723	461351	AA699782	77.6	36.0	36.0	29.0	13.0	4.5	3.6	2.5	5.1
6178	303139	W19519	36.0	36.0	31.0	20.0	7.0	4.5	2.8	6.0	4.7
10828	491367	AA148793	95.4	32.0	28.0	25.0	8.0	4.5	6.6	3.0	4.2
10697	78041	T61343	60.7	31.0	25.0	18.0	10.0	4.5	2.7	6.0	4.6
15712	471725	AA035477	83.9	36.0	36.0	27.0	5.0	4.5	3.1	3.2	5.1
20175	151055	H02230	139.6	32.0	26.0	20.0	9.0	4.4	2.0	3.4	5.3
2723	44975	H08820	61.7	30.0	25.0	18.0	10.0	4.4	3.4	5.6	4.4
2436	85634	T62048	255.3	31.0	25.0	22.0	9.0	4.4	5.6	3.8	4.2
26654	307029	N89871	1016.9	33.0	31.0	26.0	15.0	4.4	4.2	5.0	4.3
3641	840788	AA486145	1067.5	28.0	24.0	16.0	11.0	4.4	3.4	5.0	4.5
6643	428721	AA004638	141.8	26.0	21.0	17.0	12.0	4.4	7.1	3.6	3.8
5507	72778	T50828	248.5	35.0	33.0	22.0	6.0	4.4	3.4	4.2	4.6
25291	436789	AA703079	1137.1	32.0	27.0	24.0	16.0	4.3	4.4	4.3	4.3
8947	377731	AA056232	54.2	34.0	33.0	22.0	6.0	4.3	3.0	4.2	4.7
6656	447509	AA702254	161.8	31.0	27.0	22.0	8.0	4.3	2.6	4.8	4.7
15904	1048894	AA620807	32.9	36.0	35.0	22.0	5.0	4.3	4.3	2.8	4.8
24055	743773	AA634308	64.6	37.0	36.0	34.0	11.0	4.3	4.0	3.8	4.5
24833	178137	H47015	2280.8	33.0	31.0	23.0	15.0	4.3	4.2	5.0	4.2
420	124824	R01139	403.3	24.0	20.0	18.0	12.0	4.3	4.9	4.8	4.0
5277	366389	AA025807	222.2	20.0	17.0	17.0	14.0	4.3	5.7	4.4	3.8
2408	897880	AA598637	181.3	30.0	25.0	18.0	9.0	4.2	4.0	5.8	4.0
4822	293078	N91610	55.6	37.0	37.0	22.0	4.0	4.2	3.6	4.8	4.3
11350	377461	AA055835	116.8	33.0	32.0	22.0	8.0	4.2	4.3	3.4	4.4
11015	781007	AA446013	137.9	24.0	20.0	16.0	12.0	4.2	4.9	4.4	4.0
1338	898305	AA598830	62.5	27.0	24.0	17.0	10.0	4.2	5.0	3.8	4.0
10104	362483	AA018780	301.8	34.0	31.0	20.0	6.0	4.2	3.9	3.2	4.5

Table 5A

16434	726830	AA398335	65.1	34.0	30.0	21.0	6.0	4.2	2.4	2.4	5.0
17612	235882	H52325	158.0	33.0	26.0	21.0	7.0	4.2	5.4	4.0	3.9
18930	489631	AA101875	141.1	29.0	21.0	18.0	10.0	4.2	5.4	0.4	4.6
15410	798263	AA461136	75.7	33.0	29.0	18.0	7.0	4.1	4.6	2.6	4.3
2071	840600	AA488027	206.2	31.0	25.0	17.0	8.0	4.1	3.1	4.4	4.3
2652	347702	W81617	133.5	21.0	17.0	15.0	13.0	4.1	4.6	4.4	3.9
13390	785703	AA449334	150.1	34.0	28.0	20.0	6.0	4.1	4.4	5.0	3.8
1365	125788	R07637	54.3	18.0	16.0	15.0	14.0	4.1	5.6	4.0	3.7
2484	839991	AA490172	764.4	26.0	22.0	16.0	10.0	4.1	4.9	3.2	4.0
15179	786609	AA478481	117.8	34.0	29.0	23.0	5.0	4.1	3.7	5.0	4.0
16372	796650	AA460542	205.8	32.0	25.0	18.0	7.0	4.0	3.1	3.8	4.3
585	129585	R16539	224.2	33.0	27.0	19.0	6.0	4.0	5.9	2.6	3.8
3272	207098	H48502	307.8	17.0	16.0	14.0	14.0	4.0	4.7	4.6	3.7
14071	812967	AA464601	57.9	35.0	34.0	26.0	3.0	4.0	3.1	3.2	4.4
18247	754021	AA480026	108.4	17.0	16.0	14.0	14.0	4.0	5.0	4.0	3.7
23732	745296	AA625574	484.8	30.0	30.0	22.0	15.0	4.0	2.8	2.5	4.6
2197	385098	AA025112	137.4	32.0	29.0	18.0	6.0	4.0	2.4	3.4	4.5
3652	248535	N59786	43.7	17.0	15.0	14.0	14.0	4.0	4.3	4.0	3.9
20333	868472	AA634261	157.0	29.0	27.0	20.0	7.0	4.0	3.4	3.6	4.2
3607	840384	AA485773	317.3	30.0	26.0	18.0	7.0	3.9	3.6	4.6	3.9
9086	757873	AA442853	73.5	28.0	21.0	15.0	9.0	3.9	4.3	3.4	4.0
14259	280758	N50556	1302.6	28.0	24.0	18.0	8.0	3.9	4.4	5.6	3.5
17623	1473274	AA877166	292.7	30.0	25.0	19.0	7.0	3.9	5.3	4.4	3.5
13824	344720	W74668	88.6	33.0	29.0	15.0	6.0	3.9	3.9	3.0	4.2
16063	1475633	AA872001	139.6	35.0	29.0	22.0	4.0	3.9	3.7	3.2	4.1
12596	1472735	AA872383	301.2	26.0	23.0	16.0	9.0	3.9	6.6	3.8	3.2
26393	153646	R48843	239.3	28.0	25.0	22.0	16.0	3.9	5.2	2.5	3.8
22887	461307	AA699870	90.8	35.0	31.0	26.0	12.0	3.9	3.6	5.0	3.7
27748	969844	AA663826	1687.3	31.0	29.0	24.0	14.0	3.9	4.2	2.8	4.1
1785	292207	N68163	75.0	19.0	14.0	14.0	13.0	3.9	7.1	0.4	3.7
10942	268778	N36599	182.9	28.0	24.0	16.0	8.0	3.9	3.1	4.2	4.0
17923	75644	T58462	58.8	33.0	29.0	19.0	5.0	3.9	4.9	2.8	3.8
10507	278687	N82924	321.3	33.0	28.0	19.0	5.0	3.9	2.9	3.4	4.2
8691	786680	AA451895	551.6	31.0	23.0	16.0	7.0	3.9	3.0	2.4	4.4
13984	260696	H97597	146.6	37.0	35.0	22.0	2.0	3.9	4.0	3.6	3.9
2410	68103	T52893	368.0	25.0	22.0	22.0	8.0	3.8	5.1	5.2	3.2
23842	233670	H67804	73.0	30.0	30.0	23.0	14.0	3.8	4.2	2.8	3.9
5095	204614	H57011	140.3	29.0	25.0	21.0	6.0	3.8	4.4	2.4	3.9
7274	949939	AA599187	771.0	27.0	24.0	14.0	8.0	3.8	2.9	4.4	3.9
17907	298965	N71160	240.5	14.0	14.0	14.0	14.0	3.8	4.3	4.0	3.6
3194	842989	AA488477	868.3	26.0	22.0	17.0	8.0	3.8	4.7	5.4	3.2
13126	731240	AA416817	71.7	37.0	32.0	21.0	2.0	3.8	3.0	3.0	4.1
15656	461425	AA705225	216.7	28.0	24.0	16.0	7.0	3.7	5.0	5.4	3.0
4286	756372	AA481944	149.8	29.0	23.0	20.0	6.0	3.7	5.4	5.0	3.0
3627	840776	AA486140	106.3	34.0	29.0	16.0	4.0	3.7	3.3	2.0	4.2
1706	840865	AA482328	96.8	30.0	24.0	16.0	6.0	3.7	2.1	3.4	4.2
7856	868212	AA633901	438.8	27.0	19.0	9.0	9.0	3.7	4.3	3.6	3.5
19119	506575	AA708508	67.5	33.0	31.0	27.0	2.0	3.7	3.0	1.8	4.2
9107	624634	AA187349	81.3	33.0	31.0	20.0	3.0	3.8	2.6	3.4	4.0
7978	9711372	AA683041	55.5	35.0	30.0	17.0	3.0	3.6	3.3	3.4	3.8
23505	51708	H24092	54.8	32.0	28.0	22.0	13.0	3.6	3.0	3.5	3.8
5151	774409	AA446108	189.7	23.0	19.0	14.0	9.0	3.6	3.0	3.8	3.7
16198	784180	AA447454	56.3	31.0	27.0	14.0	5.0	3.6	1.9	2.8	4.2
25455	744897	AA625784	191.6	33.0	32.0	26.0	11.0	3.6	3.0	2.8	3.9
1542	809578	AA456616	909.9	27.0	23.0	19.0	6.0	3.6	3.0	3.6	3.7
3253	208718	H63161	411.2	24.0	22.0	19.0	7.0	3.5	2.4	6.8	3.2
18090	757191	AA443988	275.4	37.0	31.0	14.0	2.0	3.5	3.9	3.0	3.8
22903	461414	AA704941	64.5	36.0	36.0	27.0	9.0	3.5	3.6	3.8	3.5
9453	50888	H19203	317.3	27.0	23.0	17.0	6.0	3.5	4.0	3.0	3.5
7563	75059	T50370	478.4	22.0	21.0	17.0	8.0	3.5	4.3	3.8	3.2
7258	68605	T53297	619.1	29.0	26.0	16.0	5.0	3.5	3.9	1.4	3.8
21842	83011	T70522	585.1	19.0	15.0	11.0	11.0	3.5	4.7	4.0	3.1
23313	1591822	AA983467	1778.5	29.0	26.0	20.0	14.0	3.5	4.0	5.8	2.9
3589	609663	AA181500	58.9	34.0	31.0	18.0	2.0	3.5	3.0	3.4	3.8
4706	897567	AA497029	631.1	30.0	24.0	15.0	5.0	3.5	2.1	2.0	4.2
7962	220372	H85812	42.0	32.0	29.0	12.0	4.0	3.5	2.3	1.4	4.2
22738	436420	AA699620	215.1	25.0	25.0	22.0	15.0	3.5	4.8	2.0	3.4
22521	123265	R00284	85.7	36.0	34.0	21.0	10.0	3.5	3.4	3.0	3.6
2810	841617	AA487465	444.1	26.0	24.0	16.0	6.0	3.5	4.9	2.4	3.3
6368	85614	T62031	59.1	28.0	15.0	9.0	8.0	3.5	3.3	3.4	3.5

Table 5A

22229	658167	AA633818	87.2	34.0	28.0	20.0	2.0	3.5	3.9	3.2	3.4
10249	45376	H07826	115.9	26.0	21.0	12.0	7.0	3.4	5.6	1.8	3.2
12157	504781	AA152346	86.9	31.0	29.0	18.0	3.0	3.4	2.0	3.0	3.9
12849	593780	AA159729	3389.2	26.0	23.0	18.0	6.0	3.4	3.0	4.0	3.4
21342	502518	AA156802	145.2	22.0	16.0	13.0	9.0	3.4	4.7	4.4	2.9
27089	162310	H28091	82.8	35.0	33.0	23.0	10.0	3.4	3.6	3.3	3.4
26726	344210	W69805	228.2	31.0	24.0	22.0	13.0	3.4	2.8	2.0	3.9
26808	1641991	AI018467	61.7	36.0	33.0	21.0	10.0	3.4	3.0	2.3	3.8
1251	785607	AA478480	49.7	34.0	30.0	16.0	2.0	3.4	2.4	3.4	3.7
15406	742685	AA400282	83.4	33.0	29.0	19.0	2.0	3.4	2.4	3.2	3.7
20898	1470060	AA865469	1093.9	22.0	16.0	12.0	9.0	3.4	4.9	4.6	2.8
21551	897252	AA677640	84.6	31.0	26.0	14.0	4.0	3.4	1.1	3.2	4.1
20261	269269	N39809	79.8	34.0	29.0	16.0	2.0	3.4	4.0	2.2	3.4
3160	377152	AA055102	100.7	30.0	27.0	19.0	3.0	3.4	2.6	2.8	3.7
3577	840567	AA487893	300.0	30.0	23.0	17.0	4.0	3.4	4.9	4.8	2.6
3487	23831	T77281	124.1	30.0	25.0	20.0	3.0	3.3	3.3	2.8	3.4
14111	785707	AA449336	162.2	29.0	22.0	13.0	5.0	3.3	2.4	3.2	3.6
19930	878578	AA775241	737.1	22.0	20.0	11.0	8.0	3.3	3.9	4.6	2.9
21390	745542	AA626255	64.3	23.0	20.0	15.0	7.0	3.3	3.7	3.4	3.2
26190	1630990	AI018613	1349.7	33.0	31.0	20.0	11.0	3.3	4.2	4.3	2.9
23423	743727	AA529355	60.7	36.0	32.0	19.0	10.0	3.3	3.2	3.5	3.3
1950	810504	AA464528	149.4	28.0	26.0	16.0	4.0	3.3	2.7	7.0	2.7
493	79502	T59245	87.7	13.0	12.0	12.0	12.0	3.3	4.3	0.4	3.6
530	841308	AA487215	120.6	29.0	25.0	15.0	4.0	3.3	5.4	2.4	2.9
1381	295923	W02557	51.5	13.0	12.0	12.0	12.0	3.3	4.6	0.0	3.6
2663	309864	W23847	128.7	29.0	23.0	11.0	5.0	3.3	3.4	2.8	3.4
21903	431231	AA682627	74.1	34.0	33.0	15.0	1.0	3.3	4.1	3.4	3.0
22893	51860	H23105	60.8	36.0	35.0	21.0	9.0	3.3	3.0	3.0	3.4
23244	550141	AA102591	543.5	26.0	26.0	20.0	14.0	3.3	3.6	1.8	3.5
5779	204614	H57011	149.5	28.0	23.0	18.0	4.0	3.3	2.6	2.4	3.6
576	243155	H94469	100.4	34.0	30.0	17.0	1.0	3.3	2.7	3.6	3.4
23161	206838	R98307	204.9	35.0	34.0	23.0	9.0	3.3	3.4	3.3	3.2
23228	549867	AA082474	52.1	36.0	35.0	20.0	9.0	3.3	3.2	2.0	3.5
10552	486436	AA044390	187.5	30.0	25.0	17.0	3.0	3.2	2.6	3.2	3.4
12482	292982	N69100	32.0	15.0	12.0	12.0	11.0	3.2	6.3	4.0	2.2
7371	178860	H49519	60.6	30.0	18.0	11.0	5.0	3.2	4.4	2.0	3.1
15166	796885	AA463200	561.4	23.0	16.0	15.0	7.0	3.2	4.6	2.8	2.9
17106	429678	AA011593	63.4	29.0	24.0	19.0	3.0	3.2	2.9	3.8	3.2
25592	75886	T59478	129.0	31.0	28.0	18.0	12.0	3.2	2.2	2.5	3.8
3078	230205	H93459	28.4	25.0	21.0	15.0	4.0	3.2	3.7	0.8	3.5
9846	769959	AA430540	202.1	27.0	25.0	15.0	4.0	3.2	2.3	3.6	3.4
16348	785571	AA449438	86.2	33.0	27.0	19.0	1.0	3.2	3.0	2.0	3.5
16111	1475797	AA872122	2975.4	27.0	20.0	14.0	5.0	3.2	3.0	2.0	3.5
19234	858293	AA533997	284.0	22.0	18.0	14.0	7.0	3.2	3.0	5.0	2.9
19872	824510	AA490522	44.3	23.0	14.0	10.0	8.0	3.2	2.9	2.8	3.4
24030	1573305	AA953973	68.7	33.0	27.0	20.0	11.0	3.2	4.2	5.0	2.5
3195	487118	AA045320	47.5	33.0	31.0	14.0	1.0	3.2	3.0	5.0	2.8
9752	756405	AA482119	60.7	28.0	24.0	19.0	3.0	3.2	2.6	3.6	3.2
9041	740941	AA478298	88.6	27.0	24.0	15.0	4.0	3.2	4.9	4.6	2.4
9443	855624	AA664101	109.2	33.0	26.0	13.0	2.0	3.2	2.8	2.2	3.5
15351	1469377	AA863469	74.5	32.0	26.0	15.0	2.0	3.2	2.1	2.2	3.6
25783	462603	AA704965	126.8	29.0	26.0	16.0	13.0	3.1	3.6	1.3	3.4
2402	81129	T69883	318.8	30.0	26.0	18.0	2.0	3.1	2.6	2.8	3.4
3603	530814	AA070226	189.6	24.0	19.0	13.0	6.0	3.1	3.4	3.8	2.9
5187	840944	AA486533	179.9	27.0	23.0	15.0	4.0	3.1	3.1	2.0	3.4
1458	244637	H54914	192.6	26.0	20.0	14.0	5.0	3.1	3.7	3.8	2.8
9441	78353	T56221	131.7	25.0	16.0	8.0	7.0	3.1	3.6	2.8	3.1
8826	877835	AA825634	1652.8	24.0	18.0	14.0	6.0	3.1	2.8	4.6	2.9
7626	251826	H96654	315.6	30.0	20.0	12.0	4.0	3.1	5.0	2.2	2.8
18050	838446	AA457594	138.5	28.0	23.0	13.0	4.0	3.1	4.3	4.6	2.5
2460	142788	R71093	211.3	25.0	17.0	12.0	6.0	3.1	4.3	3.0	2.8
2440	843121	AA486518	185.8	25.0	18.0	11.0	6.0	3.1	4.3	3.2	2.8
2565	246661	N57723	60.1	19.0	14.0	9.0	9.0	3.1	5.0	0.0	3.2
10062	275798	R93279	44.7	35.0	30.0	15.0	0.0	3.1	2.7	3.6	3.1
10217	878833	AA670438	145.9	31.0	23.0	12.0	3.0	3.1	4.1	3.4	2.8
10270	869450	AA680244	1780.7	20.0	14.0	13.0	8.0	3.1	3.7	3.2	2.9
16848	450060	AA703392	79.7	28.0	25.0	16.0	3.0	3.1	2.9	4.4	2.9
22793	50483	H17615	81.2	33.0	30.0	21.0	10.0	3.1	4.4	1.5	3.1
5864	209246	H63976	148.8	28.0	24.0	16.0	3.0	3.1	2.4	3.6	3.2
24953	133988	R28548	77.6	34.0	29.0	25.0	9.0	3.1	2.4	3.0	3.3

Table 5A

22904	971279	AA682905	834.3	28.0	26.0	16.0	13.0	3.1	1.8	2.5	3.5
522	841498	AA487370	709.7	24.0	20.0	15.0	5.0	3.1	4.3	1.6	3.0
2811	212165	H68845	180.3	25.0	21.0	12.0	5.0	3.1	1.7	3.4	3.4
5268	191569	H37832	117.4	15.0	13.0	10.0	10.0	3.1	4.3	4.0	2.5
7135	50882	H18535	67.0	33.0	26.0	9.0	2.0	3.1	2.9	2.4	3.2
8034	628896	AA219045	153.6	31.0	24.0	15.0	2.0	3.1	2.7	4.2	2.9
22806	448344	AA777893	110.1	33.0	30.0	19.0	10.0	3.0	3.4	3.5	2.8
5157	843174	AA488373	91.6	33.0	28.0	12.0	1.0	3.0	2.7	2.4	3.2
17889	47481	H11732	44.1	31.0	25.0	13.0	2.0	3.0	3.3	3.6	2.8
1325	809394	AA456585	237.2	23.0	21.0	14.0	5.0	3.0	2.6	3.6	3.0
15641	325513	W52248	380.5	22.0	17.0	8.0	7.0	3.0	4.6	5.0	2.2
13271	726884	AA399320	416.4	22.0	19.0	12.0	6.0	3.0	3.9	3.0	2.8
14589	813645	AA453677	116.7	32.0	27.0	14.0	1.0	3.0	2.4	3.2	3.1
15743	898162	AA598538	80.0	28.0	23.0	14.0	3.0	3.0	2.6	2.4	3.2
21322	1473300	AA916323	132.0	21.0	16.0	11.0	7.0	3.0	2.9	4.8	2.7
27637	120707	T95670	126.4	33.0	27.0	21.0	10.0	3.0	2.2	5.5	2.7
422	122428	T99280	105.6	26.0	25.0	15.0	3.0	3.0	4.3	2.4	2.7
1333	827132	AA521232	130.6	25.0	21.0	9.0	5.0	3.0	2.3	3.2	3.1
16773	293635	N63807	221.3	25.0	22.0	14.0	4.0	3.0	5.4	3.0	2.3
18904	826355	AA521036	59.0	34.0	27.0	15.0	0.0	3.0	2.1	3.2	3.2
2822	85093	T74699	38.7	22.0	14.0	9.0	7.0	2.9	3.0	2.8	3.0
11680	970590	AA683077	311.5	26.0	18.0	15.0	4.0	2.9	3.8	0.8	3.2
16473	767313	AA418544	116.0	30.0	22.0	15.0	2.0	2.9	2.4	1.8	3.3
18954	490729	AA133155	143.5	23.0	15.0	12.0	6.0	2.9	3.7	4.4	2.4
22571	1472797	AA873182	284.9	27.0	25.0	21.0	12.0	2.9	2.6	2.0	3.2
471	41929	R59061	164.7	26.0	21.0	11.0	4.0	2.9	2.3	2.6	3.2
1294	526184	AA076845	148.6	27.0	19.0	11.0	4.0	2.9	3.3	2.4	2.9
3709	307532	W21081	66.5	16.0	12.0	10.0	9.0	2.9	4.3	1.2	2.9
12092	590264	AA155942	135.4	28.0	24.0	10.0	3.0	2.9	2.6	3.0	3.0
9520	593840	AA166810	96.7	31.0	22.0	12.0	2.0	2.9	2.3	5.0	2.7
13376	1388395	AA844141	33.4	24.0	22.0	14.0	4.0	2.9	2.1	2.2	3.3
13816	344272	W73748	35.3	30.0	21.0	9.0	3.0	2.9	2.4	2.8	3.1
16816	448386	AA778198	49.9	35.0	28.0	10.0	0.0	2.9	3.0	2.4	3.0
924	753862	AA411343	1062.8	23.0	17.0	14.0	5.0	2.9	3.7	3.2	2.6
5981	214565	H73727	698.5	26.0	18.0	13.0	4.0	2.9	1.6	2.2	3.4
11328	868368	AA534103	2312.3	22.0	16.0	11.0	6.0	2.9	3.3	3.6	2.6
16095	1475738	AA872704	2582.3	24.0	17.0	12.0	5.0	2.9	2.6	5.0	2.6
12672	1387760	AA838691	151.4	31.0	26.0	13.0	1.0	2.9	1.4	2.0	3.5
3890	768370	AA495790	145.1	30.0	22.0	12.0	2.0	2.9	1.6	0.4	3.7
1574	810617	AA464743	984.6	21.0	19.0	15.0	5.0	2.9	3.3	3.2	2.7
5038	729942	AA398951	53.9	34.0	28.0	10.0	0.0	2.9	3.1	3.4	2.7
21437	755444	AA419048	2950.9	23.0	19.0	11.0	5.0	2.9	3.7	4.0	2.4
23398	1572233	AA931758	51.1	33.0	31.0	19.0	9.0	2.9	3.0	1.5	3.1
86	49591	H15215	103.3	28.0	20.0	17.0	2.0	2.8	2.3	3.0	3.0
9982	838639	AA457223	81.0	27.0	22.0	11.0	3.0	2.8	1.9	5.0	2.7
13528	730035	AA469920	100.4	26.0	21.0	14.0	3.0	2.8	1.7	2.2	3.3
2480	781050	AA446453	280.6	28.0	17.0	13.0	3.0	2.8	2.3	2.4	3.0
19394	506369	AA709414	88.4	34.0	29.0	7.0	0.0	2.8	2.1	2.0	3.2
18692	361363	AA017706	93.5	28.0	22.0	8.0	3.0	2.8	3.4	3.2	2.6
3585	612274	AA180912	540.7	22.0	18.0	11.0	5.0	2.8	3.1	4.6	2.3
10728	897301	AA488288	101.9	27.0	20.0	11.0	3.0	2.8	2.1	3.0	2.9
19869	855610	AA664237	76.9	27.0	22.0	15.0	2.0	2.8	2.1	2.2	3.1
912	897596	AA496880	787.5	20.0	18.0	14.0	5.0	2.8	3.3	2.8	2.6
6758	884867	AA669443	217.3	19.0	16.0	12.0	6.0	2.8	2.9	4.4	2.4
23374	1568391	AA953747	94.2	32.0	29.0	20.0	9.0	2.8	2.6	0.0	3.4
1277	81417	T60223	44.8	34.0	25.0	8.0	0.0	2.7	2.4	3.2	2.7
9081	745138	AA626698	516.5	23.0	19.0	12.0	4.0	2.7	4.6	2.2	2.3
19954	878798	AA670408	1527.6	23.0	18.0	13.0	4.0	2.7	2.9	4.6	2.3
20991	430894	AA678226	207.0	31.0	21.0	12.0	1.0	2.7	2.0	3.0	2.9
24289	132702	R25612	323.3	27.0	25.0	15.0	12.0	2.7	1.8	0.5	3.4
3285	292452	N68424	73.4	12.0	11.0	11.0	9.0	2.7	5.7	0.0	2.4
2676	1031744	AA609598	119.3	24.0	18.0	10.0	4.0	2.7	2.7	5.4	2.2
26568	812187	AA456055	50.1	27.0	25.0	20.0	11.0	2.7	2.4	0.8	3.2
960	135083	R33917	197.5	22.0	16.0	9.0	5.0	2.7	1.7	2.2	3.0
8534	782835	AA448277	40.2	29.0	22.0	13.0	1.0	2.7	2.4	1.2	3.0
17145	73609	T55756	58.7	30.0	24.0	9.0	1.0	2.7	2.1	1.8	3.0
13425	754550	AA411276	32.6	31.0	26.0	11.0	0.0	2.7	1.3	3.0	3.0
20886	854079	AA689042	36.2	15.0	13.0	8.0	8.0	2.7	4.1	2.4	2.3
19492	435890	AA701411	68.8	23.0	21.0	14.0	3.0	2.7	3.0	2.0	2.7
2786	843352	AA489343	188.8	26.0	21.0	13.0	2.0	2.6	3.1	2.2	2.6

Table 5A

14543	767405	AA418097	58.5	34.0	24.0	8.0	0.0	2.6	2.6	3.0	2.6
19890	878130	AA775415	277.2	19.0	13.0	11.0	6.0	2.6	3.7	2.0	2.5
20087	745514	AA626237	30.2	31.0	18.0	8.0	2.0	2.6	1.3	1.4	3.3
27550	1637296	AI005519	569.4	29.0	22.0	18.0	11.0	2.6	3.0	4.0	2.3
11870	365826	AA025819	49.7	27.0	23.0	14.0	1.0	2.6	3.6	3.8	2.1
16827	322553	W15351	142.0	28.0	23.0	12.0	1.0	2.6	2.1	3.0	2.7
20232	704519	AA279532	61.1	30.0	22.0	9.0	1.0	2.6	2.0	4.0	2.5
2893	327506	W32731	45.8	12.0	9.0	9.0	9.0	2.6	4.6	0.4	2.5
2455	162208	H25917	387.8	25.0	19.0	14.0	2.0	2.6	3.3	2.8	2.3
10949	770059	AA427561	76.9	29.0	22.0	9.0	1.0	2.6	3.1	1.6	2.6
20500	449112	AA777488	1559.8	22.0	19.0	14.0	3.0	2.6	3.0	3.8	2.2
5798	289666	N77779	45.6	24.0	17.0	11.0	3.0	2.5	2.6	4.0	2.2
9089	302933	N90109	339.5	31.0	24.0	8.0	0.0	2.5	2.4	3.0	2.5
10596	50900	H19229	66.6	24.0	17.0	11.0	3.0	2.5	4.6	3.6	1.8
17083	503671	AA131421	83.7	30.0	25.0	9.0	0.0	2.5	2.3	3.0	2.5
5506	320903	W44701	464.1	28.0	26.0	11.0	0.0	2.5	2.1	3.0	2.5
2027	511586	AA127116	916.7	23.0	18.0	11.0	3.0	2.5	2.1	3.2	2.5
9035	773260	AA425500	147.4	25.0	20.0	11.0	2.0	2.5	2.7	3.6	2.2
18218	1031791	AA609651	31.6	29.0	20.0	3.0	2.0	2.5	1.0	1.0	3.2
2201	307882	W21373	173.0	22.0	17.0	7.0	4.0	2.5	1.6	1.2	3.0
6460	262864	N24437	1139.4	24.0	16.0	10.0	3.0	2.5	2.9	4.8	1.9
16089	813843	AA453729	48.9	29.0	22.0	12.0	0.0	2.5	2.3	3.0	2.4
16480	1371759	AA856739	50.3	27.0	21.0	11.0	1.0	2.5	2.0	3.8	2.4
25628	878174	AA775443	61.8	32.0	24.0	17.0	9.0	2.5	2.4	3.3	2.3
2052	382773	AA065090	244.3	20.0	17.0	10.0	4.0	2.5	1.9	0.6	3.0
992	154289	R53021	113.1	13.0	12.0	11.0	7.0	2.5	3.7	2.8	2.0
9822	756556	AA481438	267.7	21.0	16.0	9.0	4.0	2.5	3.7	4.0	1.8
20410	32257	R43360	280.2	18.0	15.0	10.0	5.0	2.5	2.7	3.8	2.1
1235	823851	AA490462	81.0	25.0	16.0	12.0	2.0	2.4	3.1	1.6	2.4
8367	344988	W76135	54.1	20.0	12.0	8.0	5.0	2.4	3.4	1.6	2.3
20146	896949	AA779417	81.0	25.0	19.0	9.0	2.0	2.4	1.0	0.4	3.2
25779	1604703	AA988615	786.9	28.0	21.0	15.0	11.0	2.4	3.6	3.0	2.0
345	196222	R92962	49.0	12.0	9.0	8.0	8.0	2.4	1.0	0.4	3.2
6496	34093	R44927	2484.1	24.0	18.0	11.0	2.0	2.4	1.9	3.2	2.4
27245	49162	H18635	78.2	25.0	22.0	19.0	11.0	2.4	2.0	4.3	2.1
13292	754250	AA479364	173.5	27.0	21.0	7.0	1.0	2.4	3.0	2.4	2.2
26095	1435624	AA857844	76.2	24.0	24.0	18.0	11.0	2.4	3.6	0.0	2.5
20846	263716	H99676	119.2	20.0	13.0	10.0	4.0	2.4	3.7	0.0	2.4
10725	742837	AA408125	33.4	25.0	15.0	9.0	2.0	2.3	1.3	3.2	2.4
6482	856167	AA630628	133.4	23.0	20.0	8.0	2.0	2.3	1.7	4.0	2.2
21278	825207	AA504120	499.1	25.0	19.0	10.0	1.0	2.3	3.7	2.8	1.8
15535	511107	AA088371	401.9	23.0	18.0	14.0	1.0	2.3	1.7	3.2	2.2
7198	223128	H86669	99.1	25.0	18.0	9.0	1.0	2.2	3.3	2.2	2.0
13746	788520	AA452799	312.7	23.0	15.0	10.0	2.0	2.2	3.0	2.0	2.1
6531	377051	AA057620	44.2	28.0	18.0	2.0	1.0	2.2	1.9	3.0	2.2
6664	810142	AA464246	1373.5	22.0	17.0	9.0	2.0	2.2	2.0	4.0	1.9
6742	866882	AA679352	93.6	25.0	20.0	6.0	1.0	2.2	1.9	3.4	2.1
25177	897219	AA677513	61.9	33.0	21.0	11.0	9.0	2.2	2.0	3.0	2.1
1256	144977	R78725	105.0	25.0	17.0	8.0	1.0	2.2	1.7	3.8	2.0
17726	251806	H96647	49.9	21.0	16.0	11.0	2.0	2.2	3.1	1.8	2.0
19242	971367	AA683050	2742.2	18.0	15.0	12.0	3.0	2.2	3.0	2.8	1.8
4517	243405	N33590	210.9	10.0	10.0	8.0	7.0	2.2	3.4	0.6	2.1
14235	840726	AA487846	293.5	18.0	13.0	7.0	4.0	2.2	1.6	3.0	2.2
19218	857681	AA633768	1285.3	18.0	14.0	12.0	3.0	2.2	2.9	4.0	1.6
12102	486787	AA043227	159.3	27.0	20.0	5.0	0.0	2.1	2.0	3.2	2.0
12158	745503	AA625995	174.3	25.0	15.0	8.0	1.0	2.1	1.9	3.8	1.8
7982	745496	AA625981	445.2	21.0	17.0	8.0	2.0	2.1	1.9	3.2	2.0
6484	415415	W81118	1032.9	24.0	17.0	8.0	1.0	2.1	1.9	3.4	2.0
6508	74051	T48292	1440.6	18.0	14.0	11.0	3.0	2.1	2.0	4.0	1.8
10946	839592	AA504655	265.6	23.0	18.0	9.0	1.0	2.1	2.9	3.4	1.7
19853	855336	AA830376	100.2	24.0	16.0	9.0	1.0	2.1	2.0	3.0	2.0
7202	884546	AA628808	1700.4	22.0	18.0	12.0	1.0	2.1	2.0	3.6	1.8
5893	898198	AA598561	119.4	23.0	14.0	5.0	2.0	2.1	1.9	3.8	1.8
11342	858292	AA633993	118.2	20.0	12.0	7.0	3.0	2.1	1.7	3.0	2.0
6442	277660	N49405	84.1	25.0	14.0	7.0	1.0	2.1	2.4	3.2	1.8
27612	41411	R56885	1682.4	28.0	24.0	14.0	9.0	2.1	2.2	3.0	1.6
7864	71863	T52564	44.4	24.0	16.0	8.0	1.0	2.1	1.6	4.2	1.8
6515	529185	AA084917	104.6	24.0	17.0	5.0	1.0	2.1	1.7	3.6	1.8
5790	303048	W20479	1792.4	20.0	15.0	8.0	2.0	2.0	1.9	4.8	1.5
12302	841067	AA486770	209.0	23.0	19.0	10.0	0.0	2.0	2.1	3.0	1.8

Table 5A

5030	207920	H60468	29.1	16.0	10.0	8.0	4.0	2.0	1.6	3.4	1.8
4383	80410	T65790	176.3	20.0	15.0	13.0	1.0	2.0	2.0	3.4	1.7
7848	855749	AA683983	552.3	18.0	17.0	9.0	2.0	2.0	1.9	3.2	1.8
7222	530035	AA070661	200.5	20.0	11.0	5.0	3.0	2.0	4.0	3.2	1.2
18671	506016	AA708440	125.6	16.0	10.0	8.0	4.0	2.0	3.1	1.2	1.8
20338	824911	AA489022	40.5	20.0	14.0	5.0	2.0	1.9	4.0	1.6	1.4
10912	742064	AA405748	29.0	22.0	16.0	4.0	1.0	1.9	3.4	0.6	1.7
18356	755474	AA419192	129.1	24.0	17.0	5.0	0.0	1.9	1.5	3.0	1.8
818	812965	AA464800	79.1	19.0	16.0	9.0	1.0	1.9	1.3	4.4	1.5
6301	322443	V39215	32.2	22.0	10.0	3.0	2.0	1.9	0.4	4.4	1.8
7080	877827	AA625632	1595.8	19.0	15.0	9.0	1.0	1.8	1.6	3.2	1.6
6468	513200	AA063398	207.6	24.0	13.0	1.0	1.0	1.8	1.4	3.0	1.7
6636	858204	AA633882	204.5	19.0	16.0	7.0	1.0	1.8	1.9	3.2	1.5
6492	743532	AA609421	303.5	22.0	14.0	3.0	1.0	1.8	1.7	3.2	1.6
12580	1472698	AA873152	67.5	19.0	10.0	6.0	2.0	1.8	2.6	3.4	1.2
6843	77361	T55337	122.7	23.0	11.0	1.0	1.0	1.7	1.9	3.0	1.4
16055	1470048	AA865464	40.4	15.0	11.0	5.0	3.0	1.7	3.9	3.0	0.9
23533	167205	R90934	54.3	24.0	21.0	14.0	9.0	1.7	1.2	4.0	1.3
10685	840506	AA485898	145.6	17.0	12.0	3.0	2.0	1.6	1.7	4.0	1.2
9161	84464	T73883	102.3	20.0	10.0	4.0	1.0	1.6	2.0	3.2	1.2
5275	129922	R19183	86.1	17.0	8.0	5.0	2.0	1.6	3.3	2.4	1.0
17387	242807	H93622	95.4	8.0	8.0	5.0	5.0	1.6	5.1	4.0	0.1
16663	731343	AA416785	724.9	16.0	12.0	8.0	1.0	1.6	1.9	3.0	1.2
14020	813636	AA447731	150.9	18.0	10.0	6.0	1.0	1.6	2.0	3.0	1.2
12589	767706	AA417956	56.1	16.0	14.0	6.0	0.0	1.4	1.3	3.2	1.1
10488	588915	AA157813	231.2	11.0	9.0	8.0	2.0	1.4	3.4	3.2	0.4
9445	811024	AA485528	113.1	11.0	7.0	6.0	2.0	1.3	3.7	2.6	0.3
21320	221341	H89955	37.1	11.0	4.0	3.0	3.0	1.3	3.1	1.2	0.8
18744	223180	H86198	149.3	10.0	5.0	4.0	3.0	1.3	3.1	0.4	0.9
23354	186767	H50822	148.0	17.0	17.0	14.0	10.0	1.3	2.2	4.3	0.4
1206	233721	H78047	115.1	12.0	7.0	3.0	2.0	1.2	1.9	3.0	0.7
8818	80338	T65736	48.8	12.0	7.0	3.0	2.0	1.2	0.4	5.8	0.6
6454	725630	AA293211	172.1	14.0	8.0	4.0	1.0	1.2	1.9	3.2	0.7
7649	49469	H16581	155.8	9.0	7.0	7.0	2.0	1.2	0.6	4.0	0.8
1739	120634	T95125	144.0	7.0	7.0	4.0	3.0	1.2	3.4	0.6	0.6
4561	293990	N95656	90.9	8.0	6.0	3.0	3.0	1.2	3.1	0.4	0.8
6505	26997	R37145	148.7	13.0	8.0	3.0	1.0	1.2	0.7	3.2	0.9
21634	129375	R12708	93.7	11.0	7.0	2.0	2.0	1.2	4.0	1.2	0.4
3295	211024	H65775	34.7	8.0	5.0	3.0	3.0	1.1	3.1	0.4	0.7
7641	796309	AA461309	206.8	11.0	5.0	2.0	2.0	1.1	0.8	4.4	0.6
10317	47059	H11016	63.1	10.0	7.0	6.0	1.0	1.1	0.3	3.2	0.8
18383	1455976	AA862371	777.2	9.0	6.0	3.0	2.0	1.1	3.3	0.6	0.5
1918	155201	R70361	116.4	9.0	5.0	3.0	2.0	1.0	3.1	0.6	0.5
1352	194656	R84407	128.9	9.0	4.0	3.0	2.0	1.0	3.3	0.4	0.5
2622	195132	R91215	94.4	8.0	6.0	3.0	2.0	1.0	3.1	0.6	0.6
6840	811139	AA486480	110.0	11.0	6.0	3.0	1.0	1.0	1.1	4.2	0.3
3848	243675	N49914	115.6	8.0	5.0	3.0	2.0	1.0	3.1	0.4	0.5
3307	121412	T96908	48.4	9.0	3.0	3.0	2.0	1.0	3.1	0.8	0.4
1908	417711	V88967	110.0	12.0	8.0	4.0	0.0	1.0	1.4	3.0	0.4
24869	884951	AA629668	755.7	15.0	14.0	13.0	10.0	1.0	4.0	1.8	0.0
20144	383619	AA678067	111.6	8.0	4.0	3.0	2.0	0.9	3.1	0.6	0.4
9635	194607	R87650	92.4	7.0	5.0	3.0	2.0	0.9	3.3	0.6	0.3
19959	294503	N89528	71.4	8.0	4.0	2.0	2.0	0.9	3.1	0.4	0.4
21119	152293	H04771	363.5	11.0	4.0	2.0	1.0	0.9	3.1	1.0	0.3
21384	221778	H92216	594.2	8.0	4.0	2.0	2.0	0.9	3.1	0.4	0.4
21138	384134	AA702193	316.9	8.0	4.0	2.0	2.0	0.9	3.1	0.8	0.4
21530	746075	AA482037	87.0	8.0	4.0	2.0	2.0	0.9	3.3	0.4	0.4
23131	462939	AA682419	71.6	17.0	15.0	12.0	9.0	0.9	1.2	3.3	0.3
460	153411	R48091	101.1	8.0	7.0	3.0	1.0	0.9	0.9	4.2	0.2
1029	110980	T90360	49.0	7.0	3.0	3.0	2.0	0.9	3.1	0.4	0.3
17958	787876	AA452156	123.0	7.0	3.0	3.0	2.0	0.9	3.1	0.4	0.3
18599	416044	V85784	70.4	7.0	3.0	3.0	2.0	0.9	3.1	0.4	0.3
20512	450819	AA682599	84.3	6.0	5.0	3.0	2.0	0.9	3.3	0.8	0.2
2954	241539	H90603	88.7	6.0	5.0	2.0	2.0	0.8	3.3	0.6	0.2
5983	134235	R31154	69.8	6.0	5.0	2.0	2.0	0.8	3.3	0.6	0.2
20634	711473	AA281426	47.8	7.0	3.0	2.0	2.0	0.8	3.1	1.0	0.2
20355	209082	H60739	934.3	6.0	4.0	3.0	2.0	0.8	3.1	0.0	0.4
5200	199327	R95916	109.0	5.0	5.0	3.0	2.0	0.8	3.3	0.6	0.2
1907	233579	H78482	88.8	5.0	5.0	3.0	2.0	0.8	3.3	0.6	0.2
22088	392607	AA708240	322.0	7.0	2.0	2.0	2.0	0.8	3.1	0.4	0.2

Table 5A

22166	322194	W37782	254.4	6.0	4.0	2.0	2.0	0.8	3.1	0.0	0.3
21287	700688	AA283874	38.8	6.0	4.0	2.0	2.0	0.8	3.3	0.4	0.2
21303	700790	AA284071	543.1	6.0	3.0	3.0	2.0	0.8	3.1	0.4	0.2
3463	183476	H45617	44.2	5.0	4.0	3.0	2.0	0.8	3.3	0.4	0.2
1422	110987	T90369	136.2	5.0	4.0	3.0	2.0	0.8	3.3	0.4	0.2
14473	277076	N34288	406.7	6.0	3.0	2.0	2.0	0.8	3.1	0.4	0.2
20009	396307	AA758454	522.7	5.0	5.0	2.0	2.0	0.8	3.3	0.6	0.1
15197	245555	N77229	113.5	6.0	2.0	2.0	2.0	0.8	3.1	0.4	0.2
12656	290378	N64508	204.7	8.0	4.0	2.0	1.0	0.8	0.3	3.0	0.4
20682	126847	R07196	325.0	6.0	2.0	2.0	2.0	0.8	3.1	0.8	0.1
20403	211234	H87678	257.8	5.0	4.0	2.0	2.0	0.8	3.1	0.6	0.1
18447	246504	N57632	134.7	5.0	4.0	2.0	2.0	0.8	3.1	0.6	0.1
20399	295623	N72600	283.3	6.0	2.0	2.0	2.0	0.8	3.1	0.4	0.2
22107	140299	R66923	366.3	6.0	2.0	2.0	2.0	0.8	3.1	0.4	0.2
19912	190972	H37909	45.6	5.0	3.0	3.0	2.0	0.8	3.1	0.4	0.2
20416	219861	H81716	568.6	5.0	4.0	2.0	2.0	0.8	3.1	0.6	0.1
20620	364098	AA021131	76.5	5.0	4.0	2.0	2.0	0.8	3.3	0.6	0.1
21168	384224	AA702077	133.1	6.0	2.0	2.0	2.0	0.8	3.1	0.0	0.2
22080	392673	AA708348	574.1	5.0	3.0	3.0	2.0	0.8	3.1	0.0	0.2
20520	450836	AA682597	101.9	5.0	4.0	2.0	2.0	0.8	3.1	0.6	0.1
20276	452059	AA707121	77.4	5.0	4.0	2.0	2.0	0.8	3.3	0.6	0.1
22244	461363	AA704908	266.1	6.0	2.0	2.0	2.0	0.8	3.1	0.4	0.2
564	838359	AA457178	234.8	5.0	3.0	2.0	2.0	0.7	3.3	0.4	0.1
2161	276288	R94591	98.0	5.0	3.0	2.0	2.0	0.7	3.1	0.4	0.1
1875	205417	H57816	40.1	5.0	3.0	2.0	2.0	0.7	3.1	0.4	0.1
11183	294136	N68594	44.1	5.0	3.0	2.0	2.0	0.7	3.1	0.0	0.2
16789	293975	N64024	62.6	5.0	3.0	2.0	2.0	0.7	3.1	0.4	0.1
20400	220022	H84584	108.0	5.0	3.0	2.0	2.0	0.7	3.1	0.4	0.1
20856	220394	H87241	334.6	5.0	3.0	2.0	2.0	0.7	3.1	0.4	0.1
18712	222022	H83309	91.7	5.0	3.0	2.0	2.0	0.7	3.1	0.4	0.1
18541	413120	AA707819	548.8	5.0	3.0	2.0	2.0	0.7	3.1	0.6	0.1
2213	242084	H93339	38.7	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
4542	295514	N74930	151.7	4.0	4.0	2.0	2.0	0.7	3.3	0.0	0.1
11117	50805	H17634	96.8	8.0	2.0	2.0	1.0	0.7	0.3	3.2	0.3
14106	309119	N98238	133.9	4.0	4.0	2.0	2.0	0.7	3.3	0.6	0.0
21646	203179	H54658	101.6	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
20427	211387	H66675	252.4	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
20859	214158	H77595	365.9	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
18919	248073	N58392	123.4	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
20156	362773	AA018556	188.3	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
18752	223231	H86589	192.8	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
21096	383999	AA702623	643.2	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
21104	384006	AA702627	442.0	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
18853	265455	N21688	405.2	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
20757	270331	N29457	136.8	4.0	3.0	3.0	2.0	0.7	3.1	0.0	0.2
20287	435126	AA701328	66.2	5.0	2.0	2.0	2.0	0.7	3.1	0.4	0.1
20039	430527	AA676340	169.5	4.0	3.0	2.0	2.0	0.7	3.1	0.0	0.1
19988	436055	AA700025	160.5	4.0	3.0	2.0	2.0	0.7	3.1	0.6	0.0
20330	824889	AA488898	92.2	4.0	3.0	2.0	2.0	0.7	3.3	0.4	0.0
11935	211870	H66708	43.1	4.0	2.0	2.0	2.0	0.6	3.1	0.0	0.1
11943	229776	67393:H67448	45.6	4.0	2.0	2.0	2.0	0.6	3.1	0.0	0.1
9706	347516	W81410	116.9	4.0	2.0	2.0	2.0	0.6	3.1	0.0	0.1
20600	383823	AA704650	137.0	4.0	2.0	2.0	2.0	0.6	3.1	0.0	0.1
18569	395409	AA757414	54.6	4.0	2.0	2.0	2.0	0.6	3.1	0.4	0.0
21767	701120	AA287339	445.9	3.0	2.0	2.0	2.0	0.6	3.1	0.0	0.0
5723	212542	H68663	39.7	8.0	4.0	1.0	0.0	0.6	0.3	3.0	0.2



TABLE 5-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
W47101	DBEst	1331760
AA156711	DBEst	1728325
AA444092	DBEst	2156767
R68803	DBEst	842320
W03754	DBEst	1275599
AA916552	DBEst	3055944
W79345	DBEst	1390477
T74284	DBEst	690959
W76278	DBEst	1386720
AA007419	DBEst	1463405
R39044	DBEst	796500
AA679454	DBEst	2659976
T75110	DBEst	691872
W48852	DBEst	1336981
H60173	DBEst	1013005
AA428394	DBEst	2111891
AA465614	DBEst	2191781
N78234	DBEst	1240935
W51909	DBEst	1349864
W60413	DBEst	1367397
AA399473	DBEst	2053219
R32428	DBEst	788271
AA857163	DBEst	2945465
N40887	DBEst	1164484
W21015	DBEst	1297911
AA088177	DBEst	1633698
R08120	DBEst	760043
H04585	DBEst	867518
N27108	DBEst	1141456
N26171	DBEst	1140519
AA460708	DBEst	2185828
N57754	DBEst	1201644
AA449715	DBEst	2163465
W70343	DBEst	1379643
W90740	DBEst	1406686
R96290	DBEst	981950
AA598653	DBEst	2432236
W85900	DBEst	1398329
R95691	DBEst	981351
H13237	DBEst	878057
H23235	DBEst	891930
H07991	DBEst	872813
AA252968	DBEst	1882695
W91933	DBEst	1424294
N27159	DBEst	1141507
H99075	DBEst	1123743
AA418945	DBEst	2080755
N73836	DBEst	1231121
W47324	DBEst	1331982
W67174	DBEst	1376055
W42812	DBEst	1327272
R14607	DBEst	768775
AA416767	DBEst	2077721
AA040835	DBEst	1517131
AA427719	DBEst	2112179
N33264	DBEst	1153663

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R80322	DBEst	856603
W46900	DBEst	1331538
W84789	DBEst	1395909
H96738	DBEst	1110224
T59658	DBEst	661495
R17717	DBEst	771327
AA487623	DBEst	2217787
R62662	DBEst	834541
AA009608	DBEst	1470749
AA775257	DBEst	2834591
H79533	DBEst	1057622
W48780	DBEst	1336929
AA151025	DBEst	1722536
AA099251	DBEst	1645097
H22699	DBEst	891394
AA875933	DBEst	2985292
H23389	DBEst	892084
AA999901	DBEst	3190456
R62662	DBEst	834541
AA425102	DBEst	2107172
AA461390	DBEst	2185254
AA126989	DBEst	1687819
R64048	DBEst	835927
N79421	DBEst	1242122
AA664020	DBEst	2618011
AA599094	DBEst	2432719
H95959	DBEst	1109101
AA282906	DBEst	1925839
H08561	DBEst	873383
AA491501	DBEst	2218284
AA487560	DBEst	2217724
AA029185	DBEst	1496633
AA677716	DBEst	2658238
R14663	DBEst	768936
W86202	DBEst	1398642
AA418811	DBEst	2080612
T46871	DBEst	648857
AA436142	DBEst	2141056
N72450	DBEst	1229554
AA490630	DBEst	2219803
AA085318	DBEst	1627385
AA701652	DBEst	2704817
AA102526	DBEst	1647657
N21633	DBEst	1126803
H01788	DBEst	864721
AA425947	DBEst	2107735
H02039	DBEst	864972
AA873159	DBEst	2969281
H12722	DBEst	877542
AA931725	DBEst	3086111
N98591	DBEst	1270206
AA455496	DBEst	2178272
AA463610	DBEst	2188494
W40475	DBEst	1324428
R26526	DBEst	782661
H15099	DBEst	879919

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA448157	DBEst	2161827
R02529	DBEst	752265
H59231	DBEst	1012063
AA451886	DBEst	2165555
N64817	DBEst	1212646
AA478747	DBEst	2207381
AA701860	DBEst	2704973
AA486321	DBEst	2215127
N66580	DBEst	1218705
AA443119	DBEst	2155794
W49619	DBEst	1338087
R59272	DBEst	829967
AA459941	DBEst	2184825
AA699878	DBEst	2702841
T77595	DBEst	694798
AA995282	DBEst	3181771
AA782333	DBEst	2841664
AA495936	DBEst	2229257
AA937895	DBEst	3096006
AA922703	DBEst	3070012
T47442	DBEst	649423
N31459	DBEst	1151858
T98611	DBEst	748348
H08548	DBEst	873370
N74762	DBEst	1232047
AA016234	DBEst	1477281
R82041	DBEst	858644
T68892	DBEst	680040
H78536	DBEst	1056625
AA777187	DBEst	2836518
AA427899	DBEst	2111679
AA451844	DBEst	2165513
H38240	DBEst	907739
AA449821	DBEst	2163571
AA701996	DBEst	2705109
T98611	DBEst	748348
R09069	DBEst	760992
AA425352	DBEst	2107221
AA504348	DBEst	2240508
AA431438	DBEst	2115146
AA700832	DBEst	2703997
AA504535	DBEst	2240695
AA461456	DBEst	2185320
AA424813	DBEst	2106918
H03208	DBEst	866141
R99935	DBEst	986536
AA885609	DBEst	3000717
T60048	DBEst	661885
H58644	DBEst	1011476
AA936768	DBEst	3094802
AA219099	DBEst	1833281
AA169202	DBEst	1748184
AA443936	DBEst	2156611
N68465	DBEst	1224626
AA936799	DBEst	3094833
W58009	DBEst	1364741

TABLE 5-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA479428	DBEst	2207984
AA482228	DBEst	2209906
N94487	DBEst	1266796
AA676458	DBEst	2656980
N39926	DBEst	1163471
AA449333	DBEst	2163182
AA490039	DBEst	2220914
W44452	DBEst	1329953
AA486239	DBEst	2216455
AA035669	DBEst	1507497
AA447503	DBEst	2161173
AA644211	DBEst	2569429
AA677602	DBEst	2658124
AA780270	DBEst	2839601
AA490456	DBEst	2219629
AA453662	DBEst	2167331
AA041185	DBEst	1517537
AA461128	DBEst	2186248
R56916	DBEst	827022
R92577	DBEst	960117
W24091	DBEst	1300908
R23287	DBEst	778175
N51883	DBEst	1193049
AA149854	DBEst	1720934
AA099554	DBEst	1645628
T78769	DBEst	697278
T54298	DBEst	656159
AA447978	DBEst	2161648
H07071	DBEst	870603
AA598526	DBEst	2432109
R60402	DBEst	831097
AA702786	DBEst	2705899
T97363	DBEst	746708
T98491	DBEst	748228
R81901	DBEst	858504
W76238	DBEst	1386463
AA701967	DBEst	2705080
AA702678	DBEst	2705791
AA630157	DBEst	2552768
H53339	DBEst	993486
H67188	DBEst	1025928
AA055908	DBEst	1548521
AA464152	DBEst	2189036
H11092	DBEst	875912
AA488676	DBEst	2216107
H77651	DBEst	1055740
H09996	DBEst	874818
AA150502	DBEst	1722016
R78586	DBEst	854867
AA281932	DBEst	1924610
AA488732	DBEst	2218334
R43734	DBEst	821647
AA447781	DBEst	2161451
AA894648	DBEst	3031049
T72089	DBEst	686610
W93163	DBEst	1422316

TABLE 5-1

<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H77766	DBEst	1055855
R91220	DBEst	958760
AA455969	DBEst	2178745
AA478543	DBEst	2207177
AA598796	DBEst	2432468
H16637	DBEst	882877
R02789	DBEst	752525
N76834	DBEst	1239412
AA775874	DBEst	2835208
AA775384	DBEst	2834718
N53133	DBEst	1194299
AA137109	DBEst	1698344
AA488635	DBEst	2216066
N80129	DBEst	1242830
AA621315	DBEst	2525254
N39262	DBEst	1162469
N54794	DBEst	1196114
H60548	DBEst	1013380
N57872	DBEst	1201762
AA432103	DBEst	2115811
AA705516	DBEst	2715434
R09728	DBEst	761651
AA431631	DBEst	2115339
T96082	DBEst	734706
R06746	DBEst	757366
N48138	DBEst	1189304
AA447610	DBEst	2161280
AA496988	DBEst	2230309
AA454852	DBEst	2177628
H99816	DBEst	1124484
AA033742	DBEst	1505560
T73535	DBEst	690210
W70189	DBEst	1379450
AA699782	DBEst	2702745
AA148793	DBEst	1721630
R35921	DBEst	792822
AA777400	DBEst	2836731
W93592	DBEst	1422713
T61343	DBEst	664380
AA035477	DBEst	1507248
W19519	DBEst	1295437
H02230	DBEst	865163
N51859	DBEst	1193025
N45318	DBEst	1186484
AA931267	DBEst	3085653
T62048	DBEst	665291
T97457	DBEst	746802
H08820	DBEst	873642
H71883	DBEst	1043699
N89671	DBEst	1442998
AA486145	DBEst	2216361
AA042990	DBEst	1522505
H18963	DBEst	885203
H60954	DBEst	1013786
H05544	DBEst	869096
AA004638	DBEst	1448175

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
T50828	DBEst	652688
AA011061	DBEst	1472089
W76453	DBEst	1386678
N93428	DBEst	1265737
AA703079	DBEst	2706192
AA702254	DBEst	2705367
AA410260	DBEst	2069356
W30772	DBEst	1311763
AA701075	DBEst	2704240
AA426022	DBEst	2106546
AA490798	DBEst	2219971
AA056232	DBEst	1548569
T53773	DBEst	655634
AA620607	DBEst	2524546
AA634308	DBEst	2557522
H47015	DBEst	923067
AA251800	DBEst	1886780
N68998	DBEst	1225159
AA025807	DBEst	1491173
AA423944	DBEst	2102914
AA456147	DBEst	2179357
W77928	DBEst	1388472
R01139	DBEst	750875
H19245	DBEst	885485
AA598637	DBEst	2432220
T48941	DBEst	650801
N91610	DBEst	1263919
AA055835	DBEst	1548237
AA446013	DBEst	2158678
AA452981	DBEst	2166650
W25202	DBEst	1303076
AA018780	DBEst	1481301
H52325	DBEst	992166
AA132065	DBEst	1693600
AA101875	DBEst	1645278
N72215	DBEst	1229319
AA461166	DBEst	2186286
N54338	DBEst	1195658
AA398335	DBEst	2051444
AA598830	DBEst	2432502
AI017640	DBEst	3231976
R42815	DBEst	801039
T73987	DBEst	690662
W00794	DBEst	1273007
AA490388	DBEst	2219561
AA255695	DBEst	1892633
AA621478	DBEst	2525417
R61395	DBEst	832090
AA143201	DBEst	1712768
AA461136	DBEst	2186256
AA488027	DBEst	2215458
AA449334	DBEst	2163183
R08032	DBEst	759955
W81617	DBEst	1392656
N51018	DBEst	1192184
R78530	DBEst	854811

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R07637	DBEst	759560
AA461127	DBEst	2186247
AA490172	DBEst	2221047
AA478481	DBEst	2207115
R43701	DBEst	821614
H48233	DBEst	986620
AA243828	DBEst	1874639
AA702104	DBEst	2705217
N75729	DBEst	1238307
N48751	DBEst	1189917
H29723	DBEst	900633
AA460542	DBEst	2185662
AA872420	DBEst	2968598
R16539	DBEst	770149
N92167	DBEst	1264476
AA235224	DBEst	1859662
R60711	DBEst	831406
R74169	DBEst	848539
AA464601	DBEst	2189485
AA480026	DBEst	2208177
H20759	DBEst	889454
H10008	DBEst	874830
H48502	DBEst	988342
AA625574	DBEst	2537961
AA194833	DBEst	1784523
AA634261	DBEst	2557475
AA025112	DBEst	1490027
W69790	DBEst	1379048
R51493	DBEst	813395
H48677	DBEst	988517
N59766	DBEst	1203656
N50556	DBEst	1191722
AA485773	DBEst	2214992
AA877166	DBEst	2986243
W56189	DBEst	1358146
AA136707	DBEst	1697917
AA457744	DBEst	2180464
W74668	DBEst	1384900
AA425139	DBEst	2107410
AA458953	DBEst	2183860
R19952	DBEst	774586
AA029041	DBEst	1496650
AA442853	DBEst	2155528
AA845015	DBEst	2931466
AA045385	DBEst	1523634
AA872383	DBEst	2968561
AA455222	DBEst	2177998
AA598995	DBEst	2432035
AA872001	DBEst	2968039
AA024656	DBEst	1489579
W52272	DBEst	1349402
AA663826	DBEst	2617817
R48843	DBEst	810869
AA699870	DBEst	2702833
AA190380	DBEst	1779229
N36599	DBEst	1157741

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
T89391	DBEst	717904
AA416759	DBEst	2077713
N45263	DBEst	1186429
N67039	DBEst	1219164
H78135	DBEst	1056224
T77840	DBEst	695043
R78509	DBEst	854790
T58462	DBEst	660299
H09739	DBEst	874561
N68163	DBEst	1224324
N33589	DBEst	1153988
AA418808	DBEst	2080609
AA451895	DBEst	2165564
N62924	DBEst	1210753
H97597	DBEst	1118482
H42967	DBEst	919019
N52675	DBEst	1193841
W56771	DBEst	1358637
AA609304	DBEst	2457732
T52893	DBEst	654753
AA424584	DBEst	2103554
H94977	DBEst	1102610
R89700	DBEst	954527
T96731	DBEst	735355
H06118	DBEst	869670
H64260	DBEst	1023000
H16843	DBEst	883083
H67804	DBEst	1026544
W24047	DBEst	1300873
H38799	DBEst	908298
H10356	DBEst	875178
AA057784	DBEst	1550435
AA599187	DBEst	2432812
H57011	DBEst	1009843
N71160	DBEst	1227740
R10138	DBEst	762094
N20003	DBEst	1124670
W45623	DBEst	1329704
H59609	DBEst	1012441
N38960	DBEst	1162167
W74293	DBEst	1384715
H89292	DBEst	1071552
N63941	DBEst	1211770
AA479287	DBEst	2207843
R78050	DBEst	853160
AA446120	DBEst	2158785
AA488477	DBEst	2215908
AA416817	DBEst	2077776
AA497118	DBEst	2230439
H22559	DBEst	891254
AA598517	DBEst	2432100
AA598794	DBEst	2432466
AA705225	DBEst	2715143
AA456569	DBEst	2179145
AA487561	DBEst	2217725
R08768	DBEst	760691



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H72200	DBEst	1044016
T98162	DBEst	747507
N52772	DBEst	1193938
H19315	DBEst	885555
AA427724	DBEst	2111539
R45102	DBEst	823456
AA187207	DBEst	1773433
T49158	DBEst	651018
AA167130	DBEst	1745631
AA481944	DBEst	2209622
AA486140	DBEst	2216356
N58145	DBEst	1202035
W23598	DBEst	1300648
AA456008	DBEst	2178784
AA633901	DBEst	2557115
AA464849	DBEst	2189733
AA482328	DBEst	2210006
W70234	DBEst	1379503
AA405569	DBEst	2063063
R53690	DBEst	815592
R06637	DBEst	757257
AA708508	DBEst	2718426
R38995	DBEst	796451
AA424695	DBEst	2102745
AA187349	DBEst	1773559
AA683041	DBEst	2668932
H24092	DBEst	892787
AA485959	DBEst	2216183
AA488708	DBEst	2218310
AA489636	DBEst	2219238
R53616	DBEst	815518
N50301	DBEst	1191467
R44740	DBEst	824118
N47008	DBEst	1188174
AA447454	DBEst	2161124
AA885311	DBEst	2994388
N79484	DBEst	1242185
AA085676	DBEst	1629151
AA446108	DBEst	2158773
AA777435	DBEst	2836766
R97710	DBEst	983370
T66832	DBEst	676272
AA625784	DBEst	2538171
H86407	DBEst	1067986
AA708613	DBEst	2718531
AA456616	DBEst	2179192
R39862	DBEst	797478
W24883	DBEst	1302748
H63161	DBEst	1017962
AA443966	DBEst	2156641
W55964	DBEst	1357853
AA057796	DBEst	1550447
H99170	DBEst	1123838
AA190993	DBEst	1779620
R32457	DBEst	788300
R73539	DBEst	847571

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R38703	DBEst	796159
AA704941	DBEst	2714859
T53297	DBEst	655157
T70522	DBEst	681670
T50370	DBEst	652230
H19203	DBEst	885443
W46667	DBEst	1331295
H23426	DBEst	892121
AA598982	DBEst	2432022
AA236798	DBEst	1860818
AA983467	DBEst	3161992
AA497029	DBEst	2230350
AA598595	DBEst	2432178
AA181500	DBEst	1764967
H86812	DBEst	1068391
R00284	DBEst	750020
AA018572	DBEst	1481827
AA699620	DBEst	2703767
AA487466	DBEst	2217630
AA401370	DBEst	2053578
AA633818	DBEst	2557032
W81668	DBEst	1392375
H94058	DBEst	1101354
AA250730	DBEst	1885712
H22824	DBEst	891519
T62031	DBEst	665274
R41994	DBEst	817689
R59281	DBEst	829976
AA159729	DBEst	1734698
AA156802	DBEst	1728435
H07926	DBEst	872748
AA670422	DBEst	2631921
AA130193	DBEst	1691330
AA032077	DBEst	1502040
AA282134	DBEst	1925013
AA152346	DBEst	1719258
AA775378	DBEst	2834712
W69805	DBEst	1379085
AI018467	DBEst	3232986
H28091	DBEst	898444
AA629688	DBEst	2552299
AA865469	DBEst	2957745
AA400292	DBEst	2054172
AA436163	DBEst	2141077
AA127293	DBEst	1687913
AA677640	DBEst	2658162
T87078	DBEst	715430
AA866113	DBEst	2958389
AA775290	DBEst	2834624
AA682521	DBEst	2669802
AA478480	DBEst	2207114
AA187351	DBEst	1773561
AA196115	DBEst	1791706
N20475	DBEst	1125430
H11467	DBEst	876287
R95731	DBEst	981391

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N39809	DBEst	1163354
AA487893	DBEst	2215324
AA676460	DBEst	2656982
AA055102	DBEst	1547459
AA609749	DBEst	2458177
W01113	DBEst	1273161
AA433920	DBEst	2138834
W25169	DBEst	1303063
AA775241	DBEst	2834575
AA449336	DBEst	2163185
T77281	DBEst	694484
N92947	DBEst	1265256
R15892	DBEst	768307
W96452	DBEst	1426379
W01674	DBEst	1273663
AA626255	DBEst	2538642
AA401499	DBEst	2053777
AA629355	DBEst	2541742
H20608	DBEst	889303
AI018613	DBEst	3233132
AA464528	DBEst	2189412
AA487215	DBEst	2217379
AA496836	DBEst	2230157
AA156461	DBEst	1728086
T59245	DBEst	661082
AA682527	DBEst	2669808
AA608568	DBEst	2456996
W02557	DBEst	1274536
R41754	DBEst	817461
W23847	DBEst	1300729
AA679571	DBEst	2660093
AA062659	DBEst	1556882
AA102591	DBEst	1647800
H23105	DBEst	891800
H57011	DBEst	1009843
AA670429	DBEst	2631928
H59008	DBEst	1011840
H94469	DBEst	1102102
R39373	DBEst	796829
AA034939	DBEst	1507018
AA845432	DBEst	2933191
AA775872	DBEst	2835206
AA464566	DBEst	2189450
AA082474	DBEst	1624530
T66387	DBEst	675432
R98307	DBEst	983967
AA598868	DBEst	2432540
AA044390	DBEst	1522265
AA450123	DBEst	2163873
W47106	DBEst	1331765
H87471	DBEst	1069050
T53508	DBEst	655368
AA418744	DBEst	2080636
AA679414	DBEst	2659936
H09455	DBEst	874277
R15443	DBEst	768191

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
N69100	DBEst	1225261
R99562	DBEst	986163
AA070530	DBEst	1577891
AA463200	DBEst	2188084
AA425552	DBEst	2106345
H79023	DBEst	1057112
AA155952	DBEst	1727627
W31245	DBEst	1312237
W72201	DBEst	1382650
H49519	DBEst	989360
AA011593	DBEst	1472700
T59478	DBEst	661315
AA872122	DBEst	2968300
AA633997	DBEst	2557211
W72043	DBEst	1382313
H48097	DBEst	924149
AA126947	DBEst	1686417
AA430540	DBEst	2111115
AA449438	DBEst	2162829
R16157	DBEst	768085
W51760	DBEst	1349989
R61877	DBEst	832572
R13546	DBEst	766622
AA598844	DBEst	2432516
AA490522	DBEst	2219695
N50834	DBEst	1192000
H93459	DBEst	1099787
AA953973	DBEst	3116891
AA171764	DBEst	1751027
AA488557	DBEst	2215988
AA863469	DBEst	2955948
W24894	DBEst	1302769
AA453769	DBEst	2167438
AA478298	DBEst	2206932
AA045320	DBEst	1523522
AA664101	DBEst	2618092
R56301	DBEst	826407
AA482119	DBEst	2209797
AA704965	DBEst	2714883
AA625634	DBEst	2538021
T69983	DBEst	681131
H96654	DBEst	1110140
AA442040	DBEst	2153918
N54914	DBEst	1196234
AA700054	DBEst	2703017
AA486533	DBEst	2216697
AA457594	DBEst	2180314
AA417595	DBEst	2079405
AA454681	DBEst	2177457
H17550	DBEst	883790
AA070226	DBEst	1577585
T56221	DBEst	658082
W46972	DBEst	1331610
AA482455	DBEst	2210133
H05769	DBEst	869321
AA453916	DBEst	2167585

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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R37079	DBEst	794535
AA680244	DBEst	2656212
R71093	DBEst	844610
AA486518	DBEst	2216682
AA670438	DBEst	2631937
AA598974	DBEst	2432273
AA703392	DBEst	2713310
AA772494	DBEst	2824277
N57723	DBEst	1201613
R62460	DBEst	834339
R64066	DBEst	835945
H20662	DBEst	889357
R38917	DBEst	796373
R93279	DBEst	967445
T56745	DBEst	658606
H17615	DBEst	883855
H63976	DBEst	1018777
W42848	DBEst	1327465
W47363	DBEst	1332002
W52272	DBEst	1349402
W42512	DBEst	1326962
R44078	DBEst	821946
AA011638	DBEst	1472675
AA491227	DBEst	2220400
AA682905	DBEst	2668796
R28548	DBEst	784683
AA487370	DBEst	2217534
AA219045	DBEst	1833137
H68845	DBEst	1030355
H37832	DBEst	907331
AA284669	DBEst	1927580
AA446251	DBEst	2158916
AA476272	DBEst	2204483
T82817	DBEst	711105
AA456376	DBEst	2178952
W89128	DBEst	1404490
R44163	DBEst	822027
H18535	DBEst	884775
H17037	DBEst	883277
AA458487	DBEst	2183394
AA777893	DBEst	2836886
AA488373	DBEst	2215804
AA258396	DBEst	1893538
AA437346	DBEst	2142260
AA450009	DBEst	2163759
H11732	DBEst	876552
AA399320	DBEst	2053057
AA487486	DBEst	2217650
R61674	DBEst	832369
AA453677	DBEst	2167346
W52248	DBEst	1349495
AA916323	DBEst	3055715
AA598538	DBEst	2432121
AA446635	DBEst	2159300
T58702	DBEst	660539

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R13243	DBEst	766319
AA486666	DBEst	2216830
AA026170	DBEst	1492193
AA495904	DBEst	2229225
AA456585	DBEst	2179161
R43541	DBEst	821470
H15539	DBEst	880359
AA411682	DBEst	2069345
T95670	DBEst	734294
AA404732	DBEst	2058953
R81500	DBEst	858103
N63807	DBEst	1211636
AA406285	DBEst	2064269
AA478756	DBEst	2207390
AA460152	DBEst	2185537
AA521232	DBEst	2261775
AA399997	DBEst	2053738
AA069132	DBEst	1576694
N71828	DBEst	1228540
AA521036	DBEst	2261579
R93767	DBEst	967933
AA398427	DBEst	2051536
T99280	DBEst	749017
T53592	DBEst	655452
AA972352	DBEst	3147642
AA133155	DBEst	1689935
AA418544	DBEst	2080344
T47454	DBEst	649435
AA620463	DBEst	2524402
AA459292	DBEst	2184199
AA044658	DBEst	1522861
T74699	DBEst	691374
AA683077	DBEst	2668968
AA036974	DBEst	1510031
AA521337	DBEst	2261880
AA873182	DBEst	2969304
R59061	DBEst	829756
AA076645	DBEst	1616545
AA166810	DBEst	1745258
R97113	DBEst	982773
H61901	DBEst	1014733
W21081	DBEst	1297957
H94487	DBEst	1102120
AA778198	DBEst	2836913
T59256	DBEst	661093
AA156863	DBEst	1728478
AA463517	DBEst	2188401
AA432026	DBEst	2115734
AA155942	DBEst	1727633
W73748	DBEst	1384017
AA844141	DBEst	2930592
N53534	DBEst	1194700
AA634103	DBEst	2557317
AA872704	DBEst	2968144
AA411343	DBEst	2069141
H73727	DBEst	1047231

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA670200	DBEst	2631699
T73090	DBEst	689765
H20860	DBEst	889555
AA838691	DBEst	2914803
T60267	DBEst	663304
R60981	DBEst	831676
H57136	DBEst	1009968
T71316	DBEst	685837
AA419048	DBEst	2078767
AA464743	DBEst	2189627
AA495790	DBEst	2229111
R53428	DBEst	815330
R55105	DBEst	824441
R63578	DBEst	835457
R16165	DBEst	768093
R63576	DBEst	835455
AA398951	DBEst	2052750
W90175	DBEst	1406474
H10713	DBEst	875564
H00592	DBEst	863525
AA167223	DBEst	1745600
AA931758	DBEst	3086144
H15215	DBEst	880035
AA469920	DBEst	2197229
AA457223	DBEst	2179943
W79544	DBEst	1390825
AA125792	DBEst	1687763
H09066	DBEst	873888
R52795	DBEst	814697
AA485214	DBEst	2214433
AA446453	DBEst	2159118
AA709414	DBEst	2719332
AA486182	DBEst	2216398
T61456	DBEst	664493
N59816	DBEst	1203706
R00332	DBEst	750068
W04928	DBEst	1277648
R83833	DBEst	928710
AA677687	DBEst	2658209
W07276	DBEst	1281297
AA017706	DBEst	1479895
AA478775	DBEst	2207409
W37778	DBEst	1319589
W47641	DBEst	1332319
AA609605	DBEst	2458033
AA626248	DBEst	2538635
AI023507	DBEst	3238551
AA180912	DBEst	1764388
AA677534	DBEst	2658056
AA488288	DBEst	2215719
AI732747	DBEst	5053860
AA173755	DBEst	1754078
AA436592	DBEst	2141506
R45235	DBEst	823587
AA664237	DBEst	2618228
AA479351	DBEst	2207907

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H75599	DBEst	1049527
H47327	DBEst	923379
H09614	DBEst	874436
H11151	DBEst	875971
H02837	DBEst	865770
H94466	DBEst	1102099
R65618	DBEst	838256
AA598611	DBEst	2432194
H11519	DBEst	876339
AA447514	DBEst	2161184
AA496880	DBEst	2230201
AA598626	DBEst	2432209
AA497027	DBEst	2230348
R10947	DBEst	763682
AA004975	DBEst	1448835
R42530	DBEst	817292
AA464062	DBEst	2188946
AA669443	DBEst	2630942
AA424938	DBEst	2107026
R53942	DBEst	815844
AA098867	DBEst	1645051
AA953747	DBEst	3116665
N54117	DBEst	1195283
H17363	DBEst	883603
AA670408	DBEst	2631907
AA626698	DBEst	2539085
AA678226	DBEst	2658748
AA133129	DBEst	1689891
AA293306	DBEst	1941397
AA459536	DBEst	2184443
R27457	DBEst	783592
N21553	DBEst	1126723
T60223	DBEst	662060
AA451888	DBEst	2165557
N91754	DBEst	1264063
N54788	DBEst	1196108
AA456379	DBEst	2178955
H13074	DBEst	877894
AA082943	DBEst	1625000
H99459	DBEst	1124127
AA486209	DBEst	2216425
AA873060	DBEst	2969182
R25612	DBEst	781747
AA928142	DBEst	3077298
AA609598	DBEst	2458026
AA190749	DBEst	1779135
AA418460	DBEst	2080324
H97146	DBEst	1114189
N68424	DBEst	1224585
W70258	DBEst	1379527
AA421125	DBEst	2099950
H05552	DBEst	869104
AA100695	DBEst	1648656
R55705	DBEst	825000
AA194246	DBEst	1783961
H15504	DBEst	880324



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA456850	DBEst	2179570
AA707400	DBEst	2717318
AA456055	DBEst	2178831
R33917	DBEst	789775
AA188766	DBEst	1775998
AA142888	DBEst	1712358
AA406546	DBEst	2064660
AA701411	DBEst	2704576
AA431796	DBEst	2115504
T55756	DBEst	657617
AA411276	DBEst	2068825
AA448277	DBEst	2161947
AA669042	DBEst	2630541
AA598795	DBEst	2432467
AA496780	DBEst	2230101
AA497093	DBEst	2230414
AA126708	DBEst	1687588
H05140	DBEst	868692
AA457700	DBEst	2180420
AA030046	DBEst	1496272
N20989	DBEst	1126159
AA663309	DBEst	2617300
AA706974	DBEst	2716892
AA775415	DBEst	2834749
AA489343	DBEst	2218945
AA478194	DBEst	2206828
AA418097	DBEst	2079898
R67197	DBEst	839835
AA489666	DBEst	2219268
AA626237	DBEst	2538624
AA428240	DBEst	2111859
AA455800	DBEst	2178576
AA045278	DBEst	1523500
N34436	DBEst	1155578
AA424574	DBEst	2103544
AA456477	DBEst	2179053
AA136756	DBEst	1697984
H22568	DBEst	891263
W94647	DBEst	1423829
AA057378	DBEst	1550017
T62547	DBEst	666204
AI005519	DBEst	3215029
AA663592	DBEst	2617583
AA885397	DBEst	2994474
W15351	DBEst	1289731
AA019209	DBEst	1482766
AA862434	DBEst	2954913
T68887	DBEst	680035
N75199	DBEst	1237777
H73234	DBEst	1047382
AA279532	DBEst	1920997
AA025819	DBEst	1491222
N33041	DBEst	1153440
AA598814	DBEst	2432486
W04160	DBEst	1276069
R43535	DBEst	821464

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA491222	DBEst	2220395
T46878	DBEst	648864
H92821	DBEst	1099149
AA441895	DBEst	2153773
AA069518	DBEst	1576886
AA700736	DBEst	2703901
AA626178	DBEst	2538565
AA676970	DBEst	2657492
AA424517	DBEst	2103478
R26732	DBEst	782867
H59725	DBEst	1012557
H27564	DBEst	897554
AA931102	DBEst	3085488
AA609992	DBEst	2458420
AA448676	DBEst	2162346
AA479109	DBEst	2207665
AA455566	DBEst	2178342
AA449107	DBEst	2163127
AA490945	DBEst	2220118
N66942	DBEst	1219067
R93551	DBEst	967717
W93568	DBEst	1422911
AA459144	DBEst	2184051
W32731	DBEst	1313722
N66410	DBEst	1218535
AA663440	DBEst	2617431
AA055491	DBEst	1547830
R13844	DBEst	766920
H02824	DBEst	865757
AA399269	DBEst	2053004
R45235	DBEst	823587
W81546	DBEst	1392575
T56013	DBEst	657874
R63129	DBEst	835008
AA430576	DBEst	2111135
R98921	DBEst	985522
T97376	DBEst	746721
AA777488	DBEst	2836967
H25917	DBEst	895040
AA486280	DBEst	2216496
N44278	DBEst	1182806
AA427561	DBEst	2111429
AA437224	DBEst	2142138
AA026332	DBEst	1492270
H08582	DBEst	873404
R06438	DBEst	757058
R20779	DBEst	775560
R54443	DBEst	816345
N73091	DBEst	1230195
R13557	DBEst	766633
H54577	DBEst	995103
W05406	DBEst	1278137
N90109	DBEst	1443436
AA131421	DBEst	1692908
H19229	DBEst	885469
N81158	DBEst	1243859

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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W38647	DBEst	1320563
R37986	DBEst	795442
N77779	DBEst	1240480
AA456975	DBEst	2179695
H29315	DBEst	900225
AA487020	DBEst	2217184
AA453898	DBEst	2167567
AA189113	DBEst	1776165
AA455896	DBEst	2178672
AA173378	DBEst	1753526
N71782	DBEst	1228494
AA630507	DBEst	2553118
W06970	DBEst	1281059
R70508	DBEst	844025
R69356	DBEst	842873
H93249	DBEst	1099577
AA682278	DBEst	2669595
AA127116	DBEst	1686477
W44701	DBEst	1328892
AA425500	DBEst	2106257
T69675	DBEst	680823
AA463188	DBEst	2188072
T75414	DBEst	692176
R40833	DBEst	821191
AA609651	DBEst	2458079
AA495744	DBEst	2229065
H87175	DBEst	1068754
AA609454	DBEst	2457882
AA126356	DBEst	1686004
AA165400	DBEst	1741433
AA083228	DBEst	1625285
AA293182	DBEst	1941205
H69148	DBEst	1030474
AA191512	DBEst	1780237
AA521411	DBEst	2261954
R62651	DBEst	834530
H95038	DBEst	1102671
AA126760	DBEst	1686260
R53311	DBEst	815213
AA454950	DBEst	2177726
AA633866	DBEst	2557080
R27767	DBEst	783902
N24437	DBEst	1138587
W21373	DBEst	1298425
AA427887	DBEst	2111667
N63478	DBEst	1211307
AA856739	DBEst	2945041
AA453729	DBEst	2167398
H09623	DBEst	874445
AA436943	DBEst	2141857
AA479133	DBEst	2207689
AA707413	DBEst	2717331
AA430524	DBEst	2111081
AA290737	DBEst	1938594
AA045384	DBEst	1523633

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA599092	DBEst	2432717
H38210	DBEst	907709
H04913	DBEst	868465
AA453790	DBEst	2167459
N54161	DBEst	1195327
AA293570	DBEst	1941237
AA599092	DBEst	2432717
AA464250	DBEst	2189134
AA775443	DBEst	2834777
AA036952	DBEst	1510009
R43360	DBEst	819883
AA608558	DBEst	2456986
AA481438	DBEst	2210990
AA065090	DBEst	1558941
W46976	DBEst	1331614
R53021	DBEst	814923
AA417269	DBEst	2077386
AA434064	DBEst	2138978
AA491151	DBEst	2220324
T57803	DBEst	659664
N67702	DBEst	1219827
AA464532	DBEst	2189416
AA292382	DBEst	1940377
H04430	DBEst	867363
AA448761	DBEst	2162431
AA676484	DBEst	2657006
AA599574	DBEst	2433199
AA598470	DBEst	2432053
AA283001	DBEst	1925925
AA476604	DBEst	2204815
T64262	DBEst	668127
AA424786	DBEst	2106909
AA398400	DBEst	2051509
R15409	DBEst	768157
T52152	DBEst	654012
R78598	DBEst	854879
N71920	DBEst	1228632
AA490462	DBEst	2219635
AA779417	DBEst	2838748
N69913	DBEst	1226493
H15549	DBEst	880369
AA452348	DBEst	2166017
N77138	DBEst	1239716
W76135	DBEst	1386359
T62040	DBEst	665283
AA862435	DBEst	2954914
N73448	DBEst	1230733
AA004368	DBEst	1447982
AA424504	DBEst	2103465
N30117	DBEst	1148637
H84871	DBEst	1064170
W81264	DBEst	1392284
AA488238	DBEst	2215669
R16178	DBEst	768106
AA487878	DBEst	2215309

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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W95682	DBEst	1425658
AA142980	DBEst	1712439
AA463463	DBEst	2188347
AA406285	DBEst	2064269
AA775445	DBEst	2834779
N50247	DBEst	1191413
H10403	DBEst	875225
AA988615	DBEst	3173606
N51365	DBEst	1192531
AA679940	DBEst	2656407
AA035077	DBEst	1507266
AI017416	DBEst	3231752
R44927	DBEst	823194
AA479883	DBEst	2204365
AA459901	DBEst	2183347
R33200	DBEst	789058
N71095	DBEst	1227675
AA007515	DBEst	1463491
R69307	DBEst	842824
R60301	DBEst	830996
R92962	DBEst	965316
R54492	DBEst	816394
AA287917	DBEst	1933740
AA481437	DBEst	2210989
AA459950	DBEst	2184834
AA478670	DBEst	2207304
R91953	DBEst	959493
H64147	DBEst	1018948
AA099236	DBEst	1645082
AA625788	DBEst	2538175
AA115076	DBEst	1670339
AA451960	DBEst	2165629
AA214154	DBEst	1812791
R63503	DBEst	835382
R89846	DBEst	954673
AA775270	DBEst	2834604
AA443435	DBEst	2156110
H59381	DBEst	1012213
H60548	DBEst	1013380
W80361	DBEst	1391438
R98905	DBEst	985506
AA485742	DBEst	2214961
R12337	DBEst	765413
H16635	DBEst	882875
AA406466	DBEst	2064467
AA479364	DBEst	2207920
T70056	DBEst	681204
AA045964	DBEst	1525885
AA486055	DBEst	2216271
AA485051	DBEst	2214270
AA448941	DBEst	2162961
AA478576	DBEst	2207210
T70752	DBEst	685273
R19893	DBEst	774527
T51617	DBEst	653477

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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H09940	DBEst	874762
AA668470	DBEst	2629969
AA188549	DBEst	1775592
AA043280	DBEst	1521203
AA101906	DBEst	1645368
AA156054	DBEst	1727679
AA461467	DBEst	2185331
AA496809	DBEst	2230130
N35825	DBEst	1156967
R14027	DBEst	767103
R23083	DBEst	777971
AA029889	DBEst	1496145
AA775047	DBEst	2834381
AA442984	DBEst	2155659
H05580	DBEst	869132
AA775957	DBEst	2835291
AA418852	DBEst	2080671
R17293	DBEst	770903
AA453969	DBEst	2167638
AA857944	DBEst	2946246
H98241	DBEst	1119126
AA626939	DBEst	2539326
AA776789	DBEst	2836123
AA775536	DBEst	2834870
AA504844	DBEst	2241004
T77733	DBEst	694936
AA486139	DBEst	2216355
H89517	DBEst	1079995
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H99676	DBEst	1124344
T65844	DBEst	674889
AA608556	DBEst	2456984
AA778286	DBEst	2837617
H08564	DBEst	873386
AA703250	DBEst	2706363
R42543	DBEst	817305
H09392	DBEst	874214
AA477165	DBEst	2205849
AA454958	DBEst	2177734
AA460012	DBEst	2184896
AA630373	DBEst	2552984
AA285128	DBEst	1928109
AA029107	DBEst	1496528
H60674	DBEst	1013506
AA701978	DBEst	2705091
AA757827	DBEst	2805690
AA481069	DBEst	2210621
H06273	DBEst	869825
AA630628	DBEst	2553239
AA700758	DBEst	2703923
H99415	DBEst	1124083
AA452909	DBEst	2166578
N33960	DBEst	1154360
AA133204	DBEst	1689966

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA406125	DBEst	2064169
R37566	DBEst	795022
AA459945	DBEst	2184829
AA476241	DBEst	2204452
AA045699	DBEst	1525801
AA464342	DBEst	2189226
W96098	DBEst	1426005
H13622	DBEst	878442
AA894694	DBEst	3031095
R01941	DBEst	751677
N76229	DBEst	1238807
AA457725	DBEst	2180445
H13469	DBEst	878289
T67271	DBEst	676711
W60745	DBEst	1367558
R85090	DBEst	943496
N76492	DBEst	1239070
N31411	DBEst	1151810
W92630	DBEst	1424996
N57557	DBEst	1201447
AA669452	DBEst	2630951
H58118	DBEst	1010950
AI668639	DBEst	4827947
T67028	DBEst	676468
N51496	DBEst	1192662
AA232645	DBEst	1855647
AA035620	DBEst	1507430
AA845167	DBEst	2931618
W96155	DBEst	1426061
AA634434	DBEst	2557648
AA620867	DBEst	2524806
AA504120	DBEst	2240280
AA417683	DBEst	2079502
AA099568	DBEst	1645585
AA416684	DBEst	2077689
W80715	DBEst	1391733
AA598601	DBEst	2432184
AA447761	DBEst	2161431
R68626	DBEst	842143
AA088274	DBEst	1633795
AA431571	DBEst	2115279
AA446906	DBEst	2159571
N73975	DBEst	1231260
H46553	DBEst	922605
AA477298	DBEst	2205932
H17385	DBEst	883625
T55770	DBEst	657631
AA079045	DBEst	1617937
AA406266	DBEst	2064312
R09179	DBEst	761102
H61188	DBEst	1014020
R86847	DBEst	945484
N59115	DBEst	1203005
AA668668	DBEst	2630167
H17130	DBEst	883370

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA088371	DBEst	1633883
AA485458	DBEst	2214677
N30428	DBEst	1148948
W20512	DBEst	1295339
AA706967	DBEst	2716885
W76539	DBEst	1386774
AA253446	DBEst	1885638
AA149509	DBEst	1720168
N94344	DBEst	1266653
AA007668	DBEst	1463660
AA404630	DBEst	2058884
AA150891	DBEst	1722421
AA398011	DBEst	2051335
T95404	DBEst	734028
R69584	DBEst	843101
AA664077	DBEst	2618068
AA464168	DBEst	2189052
N20796	DBEst	1125977
AA197344	DBEst	1791370
AA156728	DBEst	1728361
T64609	DBEst	673654
AA156821	DBEst	1728640
W86215	DBEst	1398828
R55619	DBEst	824914
R63597	DBEst	835476
AA679864	DBEst	2656331
R01515	DBEst	751251
AA043466	DBEst	1521322
AA996131	DBEst	3182620
AA452799	DBEst	2166468
R59068	DBEst	829763
H86669	DBEst	1068248
AA700862	DBEst	2704027
R25020	DBEst	779908
AA676961	DBEst	2657483
H72225	DBEst	1044041
AA678280	DBEst	2658802
AA043790	DBEst	1521675
AA187977	DBEst	1774424
AA425014	DBEst	2107083
T67271	DBEst	676711
AA173372	DBEst	1753503
AA191245	DBEst	1779952
AA598759	DBEst	2432431
AA600173	DBEst	2433798
R26977	DBEst	783112
W91980	DBEst	1424413
R52530	DBEst	814432
AA490462	DBEst	2219635
W53015	DBEst	1350477
AA194650	DBEst	1784567
N73551	DBEst	1230836
AA262988	DBEst	1898699
AA435948	DBEst	2140862
T50633	DBEst	652493



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA419164	DBEst	2079053
AA426494	DBEst	2106766
AA464246	DBEst	2189130
AA486738	DBEst	2216902
AA149050	DBEst	1719458
AA679352	DBEst	2659874
AA057620	DBEst	1550455
W05747	DBEst	1278469
AA458747	DBEst	2183654
R01712	DBEst	751448
R43604	DBEst	821524
AA496784	DBEst	2230105
R63065	DBEst	834944
W48629	DBEst	1337105
AA620556	DBEst	2524495
AA486493	DBEst	2216657
AA172048	DBEst	1751124
H17412	DBEst	883652
AA416952	DBEst	2076998
AA487593	DBEst	2217757
AA287121	DBEst	1934146
AA598996	DBEst	2432036
N91307	DBEst	1444634
AA490474	DBEst	2219647
N62866	DBEst	1210695
R68492	DBEst	842009
AA455435	DBEst	2178211
AA443118	DBEst	2155793
AA232926	DBEst	1856039
AA476576	DBEst	2204787
R08828	DBEst	760751
T98719	DBEst	748456
AA677513	DBEst	2658035
AA683050	DBEst	2668941
R78725	DBEst	855006
H96647	DBEst	1110133
AA291163	DBEst	1939150
H09757	DBEst	874579
AA426212	DBEst	2107615
AA282833	DBEst	1925767
R44346	DBEst	820642
AA628462	DBEst	2540849
AA401236	DBEst	2055125
AA486570	DBEst	2216734
AA136710	DBEst	1697920
H61499	DBEst	1014331
N62936	DBEst	1210765
H54367	DBEst	994514
AA088837	DBEst	1634349
AA488178	DBEst	2215609
AA410381	DBEst	2069484
AA488716	DBEst	2218318
N63940	DBEst	1211769
N51499	DBEst	1192665
AA777926	DBEst	2837327

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA426027	DBEst	2106560
AA127011	DBEst	1687989
AA633768	DBEst	2556982
AA487846	DBEst	2215277
N33590	DBEst	1153989
T87515	DBEst	715867
T67249	DBEst	676689
H75895	DBEst	1050024
AA406420	DBEst	2064458
AA460509	DBEst	2185629
AA873762	DBEst	2968148
R59087	DBEst	829782
AA634008	DBEst	2557222
AA394156	DBEst	2047289
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AA495898	DBEst	2229219
H16824	DBEst	883064
N67639	DBEst	1219764
AA137096	DBEst	1698332
N38860	DBEst	1162067
R35943	DBEst	792844
W96155	DBEst	1426061
AA151213	DBEst	1719468
AA454563	DBEst	2177339
AA634469	DBEst	2557683
AA988298	DBEst	3173990
AA884071	DBEst	2993601
T48292	DBEst	650272
AA625981	DBEst	2538368
W81118	DBEst	1391617
AA504655	DBEst	2240815
AA043227	DBEst	1521082
AA630376	DBEst	2552987
AA521384	DBEst	2261927
AA625664	DBEst	2538051
H17513	DBEst	883753
AA464691	DBEst	2189575
AA625995	DBEst	2538382
AA446543	DBEst	2159208
AA101299	DBEst	1648045
H16152	DBEst	880972
R45964	DBEst	823208
R49013	DBEst	817775
T41078	DBEst	648649
N59626	DBEst	1203516
H02336	DBEst	865269
W53015	DBEst	1350477
AA598987	DBEst	2432027
R05609	DBEst	756229
AA173189	DBEst	1754404
T61792	DBEst	665035
AA478474	DBEst	2207108
R65798	DBEst	838436
T78285	DBEst	696794
AA102052	DBEst	1645892

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA043133	DBEst	1521126
AA630221	DBEst	2552832
AA446750	DBEst	2159415
AA481397	DBEst	2210949
AA856556	DBEst	2944858
AA281652	DBEst	1924555
H29678	DBEst	900588
AA156674	DBEst	1728353
AA708446	DBEst	2718364
R41227	DBEst	816553
AA668301	DBEst	2629800
AA629808	DBEst	2552419
H54541	DBEst	994688
H08427	DBEst	873249
AA016225	DBEst	1477272
AA702548	DBEst	2705661
AA157261	DBEst	1728869
AA485877	DBEst	2215096
H11006	DBEst	875826
N47445	DBEst	1188611
H29513	DBEst	900423
R43766	DBEst	823617
AA134570	DBEst	1695567
AA418925	DBEst	2080754
AA496795	DBEst	2230116
AA069696	DBEst	1577056
AA458861	DBEst	2183768
R34224	DBEst	790082
AA181085	DBEst	1764551
R91597	DBEst	959137
N27610	DBEst	1142091
R71913	DBEst	845945
N95371	DBEst	1267643
AA706804	DBEst	2716722
R95774	DBEst	981434
N62077	DBEst	1210006
R17124	DBEst	770734
AA056395	DBEst	1548735
H72723	DBEst	1044539
AA458524	DBEst	2183431
AA488541	DBEst	2215972
AA610066	DBEst	2458494
R12449	DBEst	765525
AA922919	DBEst	3070228
AA699849	DBEst	2702812
AA633545	DBEst	2556759
AI015589	DBEst	3229925
AI017242	DBEst	3231578
AA598561	DBEst	2432144
N49405	DBEst	1190571
AA099169	DBEst	1645269
AA633993	DBEst	2557207
AA421819	DBEst	2100635
W84560	DBEst	1395672
W94106	DBEst	1423372

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA479691	DBEst	2205577
R44077	DBEst	821945
AA521453	DBEst	2261996
N33030	DBEst	1153429
AA490471	DBEst	2219644
H96090	DBEst	1109232
AA404486	DBEst	2059228
AA013099	DBEst	1474135
R91244	DBEst	958784
AA181898	DBEst	1765375
N63172	DBEst	1211001
H94948	DBEst	1102581
R39669	DBEst	797125
AA403295	DBEst	2055795
AA441933	DBEst	2153811
AA284634	DBEst	1927750
AA872341	DBEst	2968519
AA599175	DBEst	2432800
AA026562	DBEst	1492896
AA424560	DBEst	2103530
R56885	DBEst	826991
R53455	DBEst	815357
R42984	DBEst	820046
AA701314	DBEst	2704479
AA988798	DBEst	3174369
AA064917	DBEst	1559181
AA425320	DBEst	2106094
R80025	DBEst	856306
H83283	DBEst	1061953
H99543	DBEst	1124211
H18471	DBEst	884711
T52564	DBEst	654424
AA442695	DBEst	2154573
AA405571	DBEst	2063065
N50647	DBEst	1191813
AA621202	DBEst	2525141
R65998	DBEst	838636
AA453805	DBEst	2167474
AA133273	DBEst	1690241
AA437370	DBEst	2142284
T64938	DBEst	673983
AA182796	DBEst	1766505
H23978	DBEst	892673
AA001745	DBEst	1445539
R43323	DBEst	821430
R91950	DBEst	959490
AA064946	DBEst	1559210
AA167016	DBEst	1745391
H54417	DBEst	994564
R38899	DBEst	796355
T86708	DBEst	715060
H57309	DBEst	1010141
AA418500	DBEst	2080299
H11376	DBEst	876196
R44822	DBEst	824198

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H56028	DBEst	1004672
AA460286	DBEst	2185102
AA701933	DBEst	2705046
R46296	DBEst	805693
H17748	DBEst	883988
T68645	DBEst	679793
R96525	DBEst	982185
R20424	DBEst	775058
H99035	DBEst	1123703
R18248	DBEst	771858
N21334	DBEst	1126504
N71692	DBEst	1228404
H71092	DBEst	1042908
AA496283	DBEst	2229604
W60701	DBEst	1367460
AA705735	DBEst	2715653
AA626777	DBEst	2539164
AA630125	DBEst	2552736
AA679509	DBEst	2660031
AA777605	DBEst	2837084
W20479	DBEst	1295192
AA486770	DBEst	2216934
AA772816	DBEst	2825658
R40897	DBEst	823102
H10760	DBEst	875580
W00943	DBEst	1272941
AA148734	DBEst	1719245
AA436073	DBEst	2140987
AA504492	DBEst	2240652
R33642	DBEst	789500
R46837	DBEst	822654
R25700	DBEst	781835
N72918	DBEst	1230022
AA136125	DBEst	1697335
AA449975	DBEst	2163725
AA043997	DBEst	1521855
AA425116	DBEst	2107186
R66533	DBEst	839171
H79221	DBEst	1057310
AA669603	DBEst	2631102
AA431749	DBEst	2115457
N33979	DBEst	1154379
W05088	DBEst	1277810
R67915	DBEst	840553
R39405	DBEst	796861
W07537	DBEst	1281540
AA464729	DBEst	2189613
AA452278	DBEst	2165947
H17927	DBEst	884167
W78782	DBEst	1389339
AA625662	DBEst	2538049
AA486067	DBEst	2216283
W16832	DBEst	1291220
AA458994	DBEst	2183901
T53726	DBEst	655587
AA159194	DBEst	1734005

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
R59255	DBEst	829950
AA149707	DBEst	1720649
AA405559	DBEst	2063080
AA598515	DBEst	2432098
T96718	DBEst	735342
N67038	DBEst	1219163
AA469923	DBEst	2197232
AA609127	DBEst	2457555
AA442206	DBEst	2154084
AA663983	DBEst	2617974
T65790	DBEst	674835
AA070661	DBEst	1578081
AA708440	DBEst	2718358
AA018659	DBEst	1481924
AA018477	DBEst	1481750
H60468	DBEst	1013300
AA400225	DBEst	2054096
AA504160	DBEst	2240320
R24969	DBEst	779857
R45116	DBEst	823470
AA398482	DBEst	2051592
H25689	DBEst	894812
R09634	DBEst	761557
AA398366	DBEst	2051493
AA598758	DBEst	2432430
AA599178	DBEst	2432803
H22927	DBEst	891622
AA437389	DBEst	2142303
AA666366	DBEst	2620979
AA449165	DBEst	2162628
AA598621	DBEst	2432204
AA465598	DBEst	2191765
H19109	DBEst	885349
R78559	DBEst	854840
R71124	DBEst	844641
AA399022	DBEst	2052821
AA486516	DBEst	2216680
AA448557	DBEst	2162227
AA701963	DBEst	2705076
AA399973	DBEst	2053714
W46415	DBEst	1331045
AA464657	DBEst	2189541
AA988313	DBEst	3174005
AA046513	DBEst	1524468
AA482326	DBEst	2210004
AA188789	DBEst	1775816
N58163	DBEst	1202053
W23574	DBEst	1300399
R45255	DBEst	803979
AA448251	DBEst	2161921
H20233	DBEst	888928
AA863093	DBEst	2955572
AA987621	DBEst	3172985
AA151125	DBEst	1722674
AA427447	DBEst	2111370
AA455281	DBEst	2178057

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>QI NBR</u>
AA490216	DBEst	2219398
AA434360	DBEst	2139274
AA131248	DBEst	1692810
AA099148	DBEst	1645035
AA452909	DBEst	2166578
W60905	DBEst	1367673
R40244	DBEst	821032
AA028905	DBEst	1496516
AA868008	DBEst	2963453
T78942	DBEst	697451
AA156202	DBEst	1727836
R32025	DBEst	787868
AA521015	DBEst	2261558
AA190339	DBEst	1779033
AA088420	DBEst	1633967
AA459980	DBEst	2184864
AA022886	DBEst	1486957
AA430382	DBEst	2110957
AA399633	DBEst	2052647
H08933	DBEst	873755
AA190583	DBEst	1779558
R96220	DBEst	981880
AA424369	DBEst	2103330
AA487815	DBEst	2215246
AA488367	DBEst	2215798
H17520	DBEst	883760
H95712	DBEst	1108854
AA465269	DBEst	2191436
H12845	DBEst	877665
AA609608	DBEst	2458036
AA478589	DBEst	2207223
N43976	DBEst	1182504
AA401345	DBEst	2053761
AA490192	DBEst	2219374
AA451754	DBEst	2165423
R55250	DBEst	824545
AA451790	DBEst	2165459
N29545	DBEst	1148065
T65861	DBEst	674906
R24224	DBEst	779112
AA460890	DBEst	2186010
AA487739	DBEst	2217903
AA410260	DBEst	2069356
AA521313	DBEst	2261856
H13428	DBEst	878248
AA436595	DBEst	2141509
AA481281	DBEst	2210833
W39343	DBEst	1321069
AA421356	DBEst	2100181
AA449037	DBEst	2163057
AA598942	DBEst	2432614
W94868	DBEst	1423989
AA156850	DBEst	1728502
AA620485	DBEst	2524424
AA448660	DBEst	2162330
AA489463	DBEst	2219065

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AI732784	DBEst	5053897
H29474	DBEst	900384
AA504719	DBEst	2240879
R36063	DBEst	792964
AA677200	DBEst	2657722
AA774638	DBEst	2833972
AA425582	DBEst	2106338
H17600	DBEst	883840
R53062	DBEst	814964
AI016293	DBEst	3230629
AA864496	DBEst	2958809
R43511	DBEst	821440
AA034213	DBEst	1506023
R43550	DBEst	821479
W16778	DBEst	1291159
AA064668	DBEst	1558751
R67157	DBEst	839795
AA461435	DBEst	2185299
AA233790	DBEst	1856792
R94542	DBEst	969937
AA447885	DBEst	2161555
AA873599	DBEst	2969721
AA287187	DBEst	1934221
W47088	DBEst	1331727
T96924	DBEst	735548
R58948	DBEst	829643
H22928	DBEst	891623
R55219	DBEst	824514
R52961	DBEst	814863
R60946	DBEst	831641
AA421256	DBEst	2100081
R26163	DBEst	782298
AA151486	DBEst	1719991
AA457697	DBEst	2180417
AA480820	DBEst	2210372
AA521401	DBEst	2261944
AA046650	DBEst	1524566
H57494	DBEst	1010326
R35078	DBEst	791979
AA053129	DBEst	1544269
AA442200	DBEst	2154078
AA443630	DBEst	2156305
AA464908	DBEst	2189792
AA419143	DBEst	2078941
AA454214	DBEst	2167883
R33122	DBEst	788980
H10605	DBEst	875427
AA778276	DBEst	2837607
AA452345	DBEst	2166014
AA679286	DBEst	2659808
AA677309	DBEst	2657831
R64008	DBEst	835887
R87840	DBEst	946653
AA700879	DBEst	2704044
AA455225	DBEst	2178001
H29682	DBEst	900592



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA699568	DBEst	2703715
AA625894	DBEst	2538281
AA046609	DBEst	1524507
AA425534	DBEst	2106292
AA058818	DBEst	1551628
AA872257	DBEst	2968435
AA630513	DBEst	2553124
AA968514	DBEst	3143694
AA633957	DBEst	2557171
T97170	DBEst	735794
AA430241	DBEst	2113442
AA621138	DBEst	2525077
H09811	DBEst	874633
AA489022	DBEst	2218624
AA496844	DBEst	2230165
AA410480	DBEst	2069648
AA702561	DBEst	2705674
AA434406	DBEst	2139320
AA775749	DBEst	2835083
AA454617	DBEst	2177393
AA489696	DBEst	2219298
N20602::N28998	N/A	N/A
AA486746	DBEst	2216910
R56773	DBEst	826879
AA418755	DBEst	2080556
T40203	DBEst	647848
W32943	DBEst	1314997
AA464567	DBEst	2189451
R59752	DBEst	830447
AA403072	DBEst	2055616
AA463797	DBEst	2188681
T61649	DBEst	664686
AA418493	DBEst	2080292
R92654	DBEst	960194
AA007509	DBEst	1463545
AA191294	DBEst	1780000
AA936757	DBEst	3094791
AA099288	DBEst	1645206
AA421624	DBEst	2100474
H99845	DBEst	1124513
AA040879	DBEst	1517175
W70229	DBEst	1379498
R36586	DBEst	793487
AA489699	DBEst	2219301
AA437126	DBEst	2142040
W69211	DBEst	1378471
AA625907	DBEst	2538294
AA976184	DBEst	3151976
N35533	DBEst	1156675
AA970731	DBEst	3146021
N51438	DBEst	1192604
N91767	DBEst	1264076
AA419192	DBEst	2078903
AA130278	DBEst	1691422
H23985	DBEst	892680

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA405748	DBEst	2063732
AA019996	DBEst	1483669
AA496810	DBEst	2230131
AA487391	DBEst	2217555
AA495981	DBEst	2229302
AA668531	DBEst	2630030
AA598510	DBEst	2432093
AA490210	DBEst	2219392
AA447661	DBEst	2161331
H09747	DBEst	874569
H98822	DBEst	1123490
T82817	DBEst	711105
AA004806	DBEst	1448303
N42822	DBEst	1167252
H15431	DBEst	880251
R01340	DBEst	751076
W24833	DBEst	1303647
AA279168	DBEst	1920634
AA459663	DBEst	2184570
R60426	DBEst	831121
R39234	DBEst	796690
AA010797	DBEst	1471843
R17959	DBEst	771569
AA045573	DBEst	1525318
AA424586	DBEst	2103556
W23795	DBEst	1300619
N54763	DBEst	1196083
R62742	DBEst	834621
H91869	DBEst	1087447
T66264	DBEst	675309
T40936	DBEst	648519
R82644	DBEst	862035
R82957	DBEst	927925
AA598670	DBEst	2432253
AA448261	DBEst	2161931
T67103	DBEst	676543
AA188563	DBEst	1775791
H20233	DBEst	888928
T74688	DBEst	691363
N75741	DBEst	1238319
N35660	DBEst	1156802
H22856	DBEst	891551
AA460732	DBEst	2185852
R99627	DBEst	986228
W40150	DBEst	1324406
W00385	DBEst	1271824
AA160484	DBEst	1735912
AA644657	DBEst	2569875
AA158374	DBEst	1733185
AA504265	DBEst	2240425
AA464600	DBEst	2189484
R59166	DBEst	829861
R53146	DBEst	815048
W39215	DBEst	1320924
H89036	DBEst	1071296

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA191573	DBEst	1780272
AA033564	DBEst	1505457
AA053035	DBEst	1544173
AA430351	DBEst	2110926
AA410263	DBEst	2069431
H16919	DBEst	883159
AA600217	DBEst	2433842
AA453997	DBEst	2167666
R00431	DBEst	750167
N44296	DBEst	1182824
R59807	DBEst	830502
T82077	DBEst	705084
AA460666	DBEst	2185786
AA083485	DBEst	1625546
AA404666	DBEst	2058904
R26317	DBEst	782452
H17943	DBEst	884183
AA128376	DBEst	1688445
AA485780	DBEst	2214999
AA486658	DBEst	2216822
N34500	DBEst	1155642
R73759	DBEst	848129
AA052959	DBEst	1543959
H94819	DBEst	1102452
AA443177	DBEst	2155852
T63031	DBEst	666688
AA497122	DBEst	2230443
R63925	DBEst	835804
AA757464	DBEst	2805327
AA504327	DBEst	2240487
AA676604	DBEst	2657126
AA857413	DBEst	2945715
H58571	DBEst	1011403
R52797	DBEst	814699
AA708864	DBEst	2718782
AA700971	DBEst	2704136
T97942	DBEst	747287
AA856703	DBEst	2945005
AA961383	DBEst	3133547
AA625632	DBEst	2538019
AA063398	DBEst	1557267
AA482028	DBEst	2209706
AA432062	DBEst	2115770
W37689	DBEst	1319372
R24266	DBEst	779154
AA447506	DBEst	2161176
W90543	DBEst	1406328
AA431942	DBEst	2115650
W93413	DBEst	1422684
W89107	DBEst	1403993
N27118	DBEst	1141466
AA453759	DBEst	2167428
R11888	DBEst	764623
AA609422	DBEst	2457850
H74119	DBEst	1047331

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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T40311	DBEst	647946
AA035123	DBEst	1507293
N22140	DBEst	1128274
N75386	DBEst	1237964
AA401736	DBEst	2057203
AA460849	DBEst	2185969
AA436291	DBEst	2141205
AA488247	DBEst	2215678
W69814	DBEst	1379142
AA192757	DBEst	1782154
AA191019	DBEst	1779611
AA864479	DBEst	2958792
AA010351	DBEst	1471387
AA425475	DBEst	2106241
AA707871	DBEst	2717789
R06256	DBEst	756876
AA490059	DBEst	2220934
R83907	DBEst	928784
AA432312	DBEst	2114695
T82438	DBEst	709640
AA485996	DBEst	2216212
T61271	DBEst	664308
H62387	DBEst	1015219
AA055413	DBEst	1547751
AA699656	DBEst	2703803
AA973224	DBEst	3148404
AA633882	DBEst	2557096
AA609421	DBEst	2457849
AA481076	DBEst	2210628
AA608713	DBEst	2457141
AA262196	DBEst	1898467
AA490850	DBEst	2220023
AA133577	DBEst	1690547
AA629801	DBEst	2552412
H69334	DBEst	1039540
AA609245	DBEst	2457673
N72888	DBEst	1229992
R05458	DBEst	756078
AA165628	DBEst	1741661
AA461443	DBEst	2185307
H61003	DBEst	1013835
AA235347	DBEst	1859785
AA669126	DBEst	2630625
AA027160	DBEst	1492578
N64814	DBEst	1212643
W02344	DBEst	1274351
N77514	DBEst	1240215
N71461	DBEst	1228173
AA676955	DBEst	2657477
R55640	DBEst	824935
W52061	DBEst	1349882
AA520979	DBEst	2261522
R08999	DBEst	760922
R09492::R09587	N/A	N/A
AA702174	DBEst	2705287

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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R63515	DBEst	835394
AA446820	DBEst	2159485
R14750	DBEst	769023
H38650	DBEst	908149
N58239	DBEst	1202129
AA629687	DBEst	2552298
R10526	DBEst	762482
AA292213	DBEst	1940200
AA019459	DBEst	1482088
N70212	DBEst	1226792
AA488652	DBEst	2216083
AA180820	DBEst	1764295
AA172088	DBEst	1751182
AA026682	DBEst	1492849
N69204	DBEst	1225365
AA418825	DBEst	2080626
N51280	DBEst	1192446
AA459237	DBEst	2184144
R10903	DBEst	763638
N33366	DBEst	1153765
AA610016	DBEst	2458444
AA496896	DBEst	2230217
AA625567	DBEst	2537954
AA425339	DBEst	2106113
AA676666	DBEst	2657188
AA029862	DBEst	1496089
R54607	DBEst	819039
AA779486	DBEst	2838817
AA043408	DBEst	1521283
AI015686	DBEst	3230022
R42888	DBEst	819796
AA775453	DBEst	2834787
AA777917	DBEst	2837318
AA702358	DBEst	2705471
AA961361	DBEst	3133534
AA450265	DBEst	2164015
H09343	DBEst	874165
AA873152	DBEst	2969274
AA476543	DBEst	2204754
AA486370	DBEst	2215176
AA152111	DBEst	1721023
AA436440	DBEst	2141354
AA629796	DBEst	2552407
W00496	DBEst	1271915
AA455693	DBEst	2178469
AA857212	DBEst	2945514
T58522	DBEst	660359
AA705684	DBEst	2715602
AA293515	DBEst	1941091
R77145	DBEst	851777
R93124	DBEst	967290
AA282159	DBEst	1925240
AA455931	DBEst	2178707
AA489199	DBEst	2218801
N47150	DBEst	1188316

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA485376	DBEst	2214595
H80711	DBEst	1058800
W02275	DBEst	1274323
AA775325	DBEst	2834659
AA621188	DBEst	2525127
AA451817	DBEst	2165486
AA463454	DBEst	2188338
AA191158	DBEst	1779852
AA009697	DBEst	1470560
AA044113	DBEst	1522027
T55801	DBEst	657662
N36233	DBEst	1157375
W84627	DBEst	1395738
AA459106	DBEst	2184013
H08642	DBEst	873464
AA916413	DBEst	3055805
AA486838	DBEst	2217002
H20847	DBEst	889542
AA432106	DBEst	2115814
AA490894	DBEst	2220067
AA190517	DBEst	1779510
AA454862	DBEst	2177638
H38572	DBEst	908071
AA279422	DBEst	1920887
R66924	DBEst	839562
AA133469	DBEst	1690437
AA453728	DBEst	2167397
H53038	DBEst	993185
W96325	DBEst	1426280
AA465570	DBEst	2191737
AA668703	DBEst	2630202
AA083671	DBEst	1625747
R46816	DBEst	822633
AA464163	DBEst	2189047
AA419176	DBEst	2078923
W48685	DBEst	1336854
AA598675	DBEst	2432258
AA411668	DBEst	2069331
AA464790	DBEst	2189674
R10570	DBEst	762526
N42946	DBEst	1166690
AA490390	DBEst	2219563
AA486936	DBEst	2217100
AA448667	DBEst	2162337
N71069	DBEst	1227649
AA479693	DBEst	2205579
AA625581	DBEst	2537968
AA490473	DBEst	2219646
AA488168	DBEst	2215599
N79285	DBEst	1241986
R33917	DBEst	789775
H65676	DBEst	1024416
W95063	DBEst	1424251
AA490243	DBEst	2219425
AA489011	DBEst	2218613

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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N79230	DBEst	1241931
H21040	DBEst	889735
AA488986	DBEst	2218588
H22652	DBEst	891347
T80512	DBEst	699021
AA234671	DBEst	1859378
AA436990	DBEst	2141904
AA001465	DBEst	1436930
AA457529	DBEst	2180249
AA489305	DBEst	2218907
AA668821	DBEst	2630320
H20558	DBEst	889253
W39160	DBEst	1320887
AA406551	DBEst	2064544
AA664009	DBEst	2618000
AA425238	DBEst	2106012
R98541	DBEst	985058
N52205	DBEst	1193339
N69653	DBEst	1225814
AA044705	DBEst	1522973
AA864841	DBEst	2959154
AA972338	DBEst	3147628
AA922313	DBEst	3069622
AA917688	DBEst	3057578
AA679489	DBEst	2660011
T55337	DBEst	657198
AA447482	DBEst	2161152
AA865464	DBEst	2957740
AA280924	DBEst	1923622
AA779225	DBEst	2838556
R59025	DBEst	829720
AA016000	DBEst	1477240
AA598635	DBEst	2432218
R43093	DBEst	820154
H29499	DBEst	900409
R61228	DBEst	831923
AA460963	DBEst	2186083
AA442286	DBEst	2154164
AA171992	DBEst	1751114
AA864704	DBEst	2959017
AA708329	DBEst	2718247
AA683581	DBEst	2670179
AA429425	DBEst	2111945
AA131299	DBEst	1692932
H66150	DBEst	1024890
N62862	DBEst	1210691
H11581	DBEst	876401
AA278921	DBEst	1920387
AA485424	DBEst	2214643
AA431836	DBEst	2115544
AA478857	DBEst	2207491
W03413	DBEst	1275326
N41826	DBEst	1165857
R90934	DBEst	958474
N77182	DBEst	1239760

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA416843	DBEst	2077802
AA024655	DBEst	1489578
N47552	DBEst	1188718
AA704459	DBEst	2714377
AA485934	DBEst	2216158
AA425821	DBEst	2107641
AA609262	DBEst	2457690
R85387	DBEst	943793
AA017132	DBEst	1479434
AA426092	DBEst	2106581
AA477165	DBEst	2205849
AA287827	DBEst	1933543
AA888182	DBEst	3003857
AA485898	DBEst	2215117
AA428470	DBEst	2112528
R43826	DBEst	821706
AA007686	DBEst	1463678
AA434067	DBEst	2138981
H18532	DBEst	884772
N26062	DBEst	1140410
AA857131	DBEst	2945433
AA488460	DBEst	2215891
AA485677	DBEst	2214896
N62586	DBEst	1210415
AA402889	DBEst	2056786
AA676246	DBEst	2656768
T73883	DBEst	690558
AA434090	DBEst	2139004
T61960	DBEst	665203
AA495996	DBEst	2229317
R12201	DBEst	764936
AA609686	DBEst	2458114
AA046700	DBEst	1524597
N68492	DBEst	1224653
AA431782	DBEst	2115490
H97488	DBEst	1118373
AA857496	DBEst	2945798
R69202	DBEst	842719
AA035347	DBEst	1506848
AA233339	DBEst	1856351
R13518	DBEst	766594
AA292031	DBEst	1940152
H93622	DBEst	1099950
R19183	DBEst	772793
N34697	DBEst	1155839
R54822	DBEst	819407
R78533	DBEst	854814
AA669674	DBEst	2631173
AA670380	DBEst	2631879
AA872402	DBEst	2968580
R61374	DBEst	832069
H44051	DBEst	920103
H18560	DBEst	884800
AI791173	DBEst	5338889
AA416785	DBEst	2077739
AA447731	DBEst	2161401



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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA018906	DBEst	1482297
AA425908	DBEst	2107831
R34297	DBEst	790155
AA598578	DBEst	2432161
AA421069	DBEst	2099884
AA776434	DBEst	2835768
N74995	DBEst	1237541
W75968	DBEst	1386202
AA044890	DBEst	1523094
AA421047	DBEst	2099862
AA434487	DBEst	2139401
AA453433	DBEst	2167102
AA463986	DBEst	2188870
AA486538	DBEst	2216702
AA873355	DBEst	2969477
R16801	DBEst	770411
N52496	DBEst	1193662
AA485428	DBEst	2214647
AA430694	DBEst	2112252
H58347	DBEst	1011179
H86599	DBEst	1068178
AA485381	DBEst	2214600
H10721	DBEst	875509
R31744	DBEst	787587
AA780190	DBEst	2839521
AI017703	DBEst	3232039
H09427	DBEst	874249
N53236	DBEst	1194402
AA486554	DBEst	2216718
AA480994	DBEst	2210546
R60722	DBEst	831417
AA278842	DBEst	1920363
AA430042	DBEst	2113216
N91084	DBEst	1444411
R59555	DBEst	830250
N34857	DBEst	1155999
AA416970	DBEst	2077069
AA457102	DBEst	2179822
AA455078	DBEst	2177854
AA443722	DBEst	2156397
AA070532	DBEst	1577893
H98218	DBEst	1119103
N23882	DBEst	1138032
W87741	DBEst	1401816
AA486027	DBEst	2216243
AA626024	DBEst	2538411
H28344	DBEst	898697
AA001970	DBEst	1445405
AA143436	DBEst	1712806
W35399	DBEst	1317335
H29268	DBEst	900178
AA488567	DBEst	2215998
AA446924	DBEst	2159589
AA609483	DBEst	2457911
AA131239	DBEst	1692766
H29207	DBEst	900117

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<u>ACC NOM</u>	<u>DATABASE</u>	<u>GI NBR</u>
T85161	DBEst	713513
AA443950	DBEst	2156625
R26700	DBEst	782835
AA417956	DBEst	2079775
R20641	DBEst	775422
AA485677	DBEst	2214896
W94289	DBEst	1423410
AA157813	DBEst	1732642
AA491191	DBEst	2220364
H24126	DBEst	892821
H17272	DBEst	883512
T86959	DBEst	715311
H23482	DBEst	892177
W48838	DBEst	1337017
T68758	DBEst	679906
AA023022	DBEst	1486534
AA429661	DBEst	2113038
AA041476	DBEst	1517710
AA485355	DBEst	2214574
AA664241	DBEst	2618232
AA630000	DBEst	2552611
AA626028	DBEst	2538415
H12264	DBEst	877084
H67236	DBEst	1025976
N50962	DBEst	1192128
W32135	DBEst	1313128
T68527	DBEst	679675
AA133719	DBEst	1690705
R40400	DBEst	822829
AA443286	DBEst	2155961
AA428473	DBEst	2112531
H05820	DBEst	869372
AA485528	DBEst	2214747
H86198	DBEst	1067777
H89955	DBEst	1080385
N59078	DBEst	1202968
W57855	DBEst	1364796
AA455282	DBEst	2178058
AA677655	DBEst	2658177
H50622	DBEst	990463
AA293211	DBEst	1941492
H79047	DBEst	1057136
T65736	DBEst	674781
AA598945	DBEst	2432617
H16905	DBEst	883145
AA705981	DBEst	2715899
R41389	DBEst	816695
R43873	DBEst	821751
AA161283	DBEst	1735519
AA206752	DBEst	1802122
H04789	DBEst	868341
W74701	DBEst	1384924
R16259	DBEst	768507
N21470	DBEst	1126640
H83123	DBEst	1061793
H16581	DBEst	882806

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA007633	DBEst	1463619
AA143467	DBEst	1712855
H58175	DBEst	1011007
AA599138	DBEst	2432763
R37145	DBEst	794601
R12708	DBEst	765784
H04828	DBEst	868380
T95125	DBEst	733749
N95656	DBEst	1267963
H70017	DBEst	1040223
AA425513	DBEst	2106280
AA228130	DBEst	1849692
AA429398	DBEst	2112353
AA186732	DBEst	1774849
N23578	DBEst	1137728
H65775	DBEst	1024515
N50274	DBEst	1191440
N79708	DBEst	1242409
AA461309	DBEst	2186429
AA421769	DBEst	2100586
R36181	DBEst	793082
T74714	DBEst	691389
AA862371	DBEst	2954850
H11016	DBEst	875836
AA126706	DBEst	1687586
AA063598	DBEst	1557565
AI005515	DBEst	3215025
AA164818	DBEst	1740979
AA778756	DBEst	2838087
R70361	DBEst	843878
W07014	DBEst	1281018
R95830	DBEst	981490
AA459781	DBEst	2184688
H51765	DBEst	991606
H41595	DBEst	917647
H49517	DBEst	989358
AA486460	DBEst	2216624
R84407	DBEst	942813
R91215	DBEst	958755
H19105	DBEst	885345
AA757455	DBEst	2805318
AA434484	DBEst	2139398
AA055179	DBEst	1547545
W88967	DBEst	1404003
N49914	DBEst	1191080
T96908	DBEst	735532
W49781	DBEst	1338055
AA487483	DBEst	2217647
H55897	DBEst	1004541
N24609	DBEst	1138759
AA705219	DBEst	2715137
AA251137	DBEst	1886099
R91566	DBEst	959106
AA629668	DBEst	2552279
AA017104	DBEst	1479268
AA679067	DBEst	2659589

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
AA459358	DBEst	2184265
AA251548	DBEst	1886512
AA702193	DBEst	2705306
H92216	DBEst	1087794
H04771	DBEst	868323
AA001444	DBEst	1436975
AA482037	DBEst	2209715
R87650	DBEst	946463
R98407	DBEst	985119
N69528	DBEst	1225689
R99293	DBEst	985894
AA454753	DBEst	2177529
AA682419	DBEst	2669700
AA668595	DBEst	2630094
AA021545	DBEst	1485429
H37860	DBEst	907359
R48091	DBEst	810117
N25352	DBEst	1139502
AA682599	DBEst	2669880
AA452156	DBEst	2165825
W85784	DBEst	1398283
T90360	DBEst	718873
R02591	DBEst	752327
AA505122	DBEst	2241282
AA485969	DBEst	2215120
H60739	DBEst	1013571
H90603	DBEst	1081033
R31154	DBEst	786997
AA281426	DBEst	1924152
N57553	DBEst	1201443
AA456404	DBEst	2178980
AA019335	DBEst	1482746
W42527	DBEst	1326977
N32199	DBEst	1152598
AA708240	DBEst	2718158
AA284071	DBEst	1928352
W37782	DBEst	1319593
R95916	DBEst	981576
AA283874	DBEst	1928083
H78482	DBEst	1056571
AA004719	DBEst	1448624
R73744	DBEst	848114
AA630545	DBEst	2553156
AA758454	DBEst	2806317
N34288	DBEst	1155430
T90369	DBEst	718882
AA682573	DBEst	2669854
H45617	DBEst	921669
N68408	DBEst	1224569
R97106	DBEst	982766
R25249	DBEst	781384
H81716	DBEst	1059805
R66923	DBEst	839561
R07196	DBEst	759119
N64508	DBEst	1212337
N72600	DBEst	1229704

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
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AA708348	DBEst	2718266
N77229	DBEst	1239807
H67678	DBEst	1026418
AA702077	DBEst	2705190
N57632	DBEst	1201522
AA682597	DBEst	2669878
AA021131	DBEst	1484857
AA707121	DBEst	2717039
H37909	DBEst	907408
AA707806	DBEst	2717724
R54594	DBEst	816496
AA057425	DBEst	1550066
AA699926	DBEst	2702889
T63520	DBEst	667385
AA460965	DBEst	2186085
R94858::R94859	N/A	N/A
N54497	DBEst	1195817
AA677457	DBEst	2657979
AA147540	DBEst	1716910
AA458674	DBEst	2183581
AA131530	DBEst	1693081
AA707819	DBEst	2717737
H87241	DBEst	1068820
AA457178	DBEst	2179898
N64024	DBEst	1211853
H84584	DBEst	1063734
H83309	DBEst	1061979
R94591	DBEst	969986
H57816	DBEst	1010648
N68594	DBEst	1224755
N59109	DBEst	1202999
AA676865	DBEst	2657387
W84754	DBEst	1395873
N62206	DBEst	1210035
N94233	DBEst	1266542
AA702623	DBEst	2705736
N21688	DBEst	1126858
AA702627	DBEst	2705740
H77595	DBEst	1055684
H66675	DBEst	1025415
H17634	DBEst	883874
H86589	DBEst	1068168
AA018556	DBEst	1481956
N98238	DBEst	1269633
H54658	DBEst	995025
N58392	DBEst	1202282
N74930	DBEst	1237476
AA701328	DBEst	2704493
N29457	DBEst	1147977
H93339	DBEst	1099667
R40025	DBEst	820774
AA598615	DBEst	2432198
N33530	DBEst	1153929
AA664195	DBEst	2618186
W37532	DBEst	1319146

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H14391	DBEst	879211
R63760	DBEst	835639
H85705	DBEst	1067284
N27637	DBEst	1142118
N32847	DBEst	1153246
N69648	DBEst	1225809
AA700025	DBEst	2702988
AA676340	DBEst	2656862
AA488898	DBEst	2218500
T80564	DBEst	699073
H91641	DBEst	1087219
T47624	DBEst	649604
N57865	DBEst	1201755
AA598559	DBEst	2432142
N25598	DBEst	1139946
N53328	DBEst	1194494
AA704650	DBEst	2714568
W81410	DBEst	1392440
H67393::H67448	N/A	N/A
AA757414	DBEst	2805277
H66708	DBEst	1025448
AA702720	DBEst	2705833
AA629987	DBEst	2552598
R42836	DBEst	819746
T92232	DBEst	724145
H50041	DBEst	989882
R89104	DBEst	953931
H75776	DBEst	1049788
N35156	DBEst	1156298
W76177	DBEst	1386421
AA021202	DBEst	1484927
AA456148	DBEst	2179358
R85452	DBEst	943858
R42182	DBEst	820573
R51085	DBEst	812987
R61187	DBEst	831882
T91039	DBEst	722952
R92056	DBEst	959596
R97240	DBEst	982900
H71320	DBEst	1043136
N78063	DBEst	1240764
H99398	DBEst	1124066
N50675	DBEst	1191841
N52938	DBEst	1194104
N77552	DBEst	1240253
N92689	DBEst	1264998
W73597	DBEst	1383731
AA017359	DBEst	1479724
AA018618	DBEst	1481892
AA682671	DBEst	2669952
AA454689	DBEst	2177465
AA287339	DBEst	1933143
R49117	DBEst	820187
T71214	DBEst	685735
R89225	DBEst	954052
R96198	DBEst	981858

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<u>ACC NUM</u>	<u>DATABASE</u>	<u>GI NBR</u>
H82812	DBEst	1061482
H56452	DBEst	1005096
H56640	DBEst	1005284
H59093	DBEst	1011925
H67707	DBEst	1026447
H77641	DBEst	1055730
N54925	DBEst	1196245
N59757	DBEst	1203647
H97385	DBEst	1118254
N20407	DBEst	1125362
N46353	DBEst	1187519
N54653	DBEst	1195973
N76088	DBEst	1238666
AA017301	DBEst	1479647
AA699972	DBEst	2702935
AA219229	DBEst	1833303
AA400412	DBEst	2054283
H63763	DBEst	1018564
H68663	DBEst	1030125
R07268	DBEst	759191
N78077	DBEst	1240778
AA187979	DBEst	1774426

TABLE 6

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Sequence 2796	AC007860	NUC	Sequence 2848	AF095743	NUC
Sequence 2797	AB020692	NUC	Sequence 2849	X06547	NUC
Sequence 2798	E01954	NUC	Sequence 2850	AP000509	NUC
Sequence 2799	AC005837	NUC	Sequence 2851	AB033048	NUC
Sequence 2800	J03575	NUC	Sequence 2852	AC006050	NUC
Sequence 2801	AJ224171	NUC	Sequence 2853	Z13009	NUC
Sequence 2802	AC006033	NUC	Sequence 2854	AF053641	NUC
Sequence 2803	X98296	NUC	Sequence 2855	D38073	NUC
Sequence 2804	AF078932	NUC	Sequence 2856	AC005480	NUC
Sequence 2805	AL031777	NUC	Sequence 2857	J04607	NUC
Sequence 2806	AB018302	NUC	Sequence 2858	AC004782	NUC
Sequence 2807	D44466	NUC	Sequence 2859	AC004816	NUC
Sequence 2808	J02908	NUC	Sequence 2860	AF057356	NUC
Sequence 2809	AC007276	NUC	Sequence 2861	AF071219	NUC
Sequence 2810	AB007860	NUC	Sequence 2862	L16783	NUC
Sequence 2811	U64791	NUC	Sequence 2863	AC006255	NUC
Sequence 2812	U19143	NUC	Sequence 2864	X15480	NUC
Sequence 2813	AF143235	NUC	Sequence 2865	E01979	NUC
Sequence 2814	AC003688	NUC	Sequence 2866	AF068846	NUC
Sequence 2815	AC004983	NUC	Sequence 2867	U23028	NUC
Sequence 2816	AF121863	NUC	Sequence 2868	AC000015	NUC
Sequence 2817	AC005272	NUC	Sequence 2869	AL122071	NUC
Sequence 2818	AF055474	NUC	Sequence 2870	D31784	NUC
Sequence 2819	M87770	NUC	Sequence 2871	AC005832	NUC
Sequence 2820	AF001893	NUC	Sequence 2872	AL031673	NUC
Sequence 2821	AC003093	NUC	Sequence 2873	AC004257	NUC
Sequence 2822	AC009946	NUC	Sequence 2874	D87667	NUC
Sequence 2823	AJ011001	NUC	Sequence 2875	L20826	NUC
Sequence 2824	U91328	NUC	Sequence 2876	AJ238222	NUC
Sequence 2825	AL050254	NUC	Sequence 2877	AB014607	NUC
Sequence 2826	AC004240	NUC	Sequence 2878	AB011099	NUC
Sequence 2827	AF152364	NUC	Sequence 2879	AL049830	NUC
Sequence 2828	AC005076	NUC	Sequence 2880	AB000516	NUC
Sequence 2829	AB023050	NUC	Sequence 2881	D64015	NUC
Sequence 2830	AC008064	NUC	Sequence 2882	AF144713	NUC
Sequence 2831	AC009514	NUC	Sequence 2883	U00947	NUC
Sequence 2832	AC005189	NUC	Sequence 2884	AJ225089	NUC
Sequence 2833	AF151908	NUC	Sequence 2885	X81892	NUC
Sequence 2834	AF042346	NUC	Sequence 2886	M33882	NUC
Sequence 2835	M90516	NUC	Sequence 2887	U02680	NUC
Sequence 2836	AB007191	NUC	Sequence 2888	AC004774	NUC
Sequence 2837	AF041259	NUC	Sequence 2889	AC004499	NUC
Sequence 2838	Z47087	NUC	Sequence 2890	J05412	NUC
Sequence 2839	AC008008	NUC	Sequence 2891	AF020797	NUC
Sequence 2840	A32135	NUC	Sequence 2892	X85373	NUC
Sequence 2841	J00126	NUC	Sequence 2893	U65011	NUC
Sequence 2842	AF006386	NUC	Sequence 2894	AB033899	NUC
Sequence 2843	A42048	NUC	Sequence 2895	AL031427	NUC
Sequence 2844	AB019568	NUC	Sequence 2896	AC002476	NUC
Sequence 2845	AC005954	NUC	Sequence 2897	AF065388	NUC
Sequence 2846	AB029020	NUC	Sequence 2898	D28760	NUC
			Sequence 2899	Z75407	NUC



TABLE 6

Sequence 2900	AC009330	NUC	Sequence 2953	AC008038	NUC
Sequence 2901	AC004386	NUC	Sequence 2954	U14966	NUC
Sequence 2902	E12274	NUC	Sequence 2955	AL033527	NUC
Sequence 2903	AC004217	NUC	Sequence 2956	AC006064	NUC
Sequence 2904	AC005841	NUC	Sequence 2957	AL023656	NUC
Sequence 2905	E03346	NUC	Sequence 2958	J04763	NUC
Sequence 2906	Y13620	NUC	Sequence 2959	AF125525	NUC
Sequence 2907	AC002086	NUC	Sequence 2960	AC005412	NUC
Sequence 2908	U95367	NUC	Sequence 2961	AC004518	NUC
Sequence 2909	AC005538	NUC	Sequence 2962	AP000530	NUC
Sequence 2910	AL031058	NUC	Sequence 2963	AF019413	NUC
Sequence 2911	AJ224172	NUC	Sequence 2964	D38112	NUC
Sequence 2912	U47077	NUC	Sequence 2965	AC007392	NUC
Sequence 2913	U41387	NUC	Sequence 2966	M24895	NUC
Sequence 2914	J05581	NUC	Sequence 2967	X79536	NUC
Sequence 2915	AC002394	NUC	Sequence 2968	AC006597	NUC
Sequence 2916	M87339	NUC	Sequence 2969	AL080061	NUC
Sequence 2917	U14528	NUC	Sequence 2970	AC003983	NUC
Sequence 2918	AC009247	NUC	Sequence 2971	M34088	NUC
Sequence 2919	AF050638	NUC	Sequence 2972	D63480	NUC
Sequence 2920	J05036	NUC	Sequence 2973	AL049227	NUC
Sequence 2921	U60205	NUC	Sequence 2974	AC005912	NUC
Sequence 2922	AB011540	NUC	Sequence 2975	AC004551	NUC
Sequence 2923	AF038963	NUC	Sequence 2976	M21142	NUC
Sequence 2924	M18963	NUC	Sequence 2977	AF077200	NUC
Sequence 2925	U77665	NUC	Sequence 2978	AL035411	NUC
Sequence 2926	AJ224442	NUC	Sequence 2979	AC005224	NUC
Sequence 2927	M14505	NUC	Sequence 2980	U00946	NUC
Sequence 2928	AF052124	NUC	Sequence 2981	M87503	NUC
Sequence 2929	AB006077	NUC	Sequence 2982	AF026939	NUC
Sequence 2930	M17885	NUC	Sequence 2983	AB011143	NUC
Sequence 2931	D38551	NUC	Sequence 2984	AL049821	NUC
Sequence 2932	L05095	NUC	Sequence 2985	AL021368	NUC
Sequence 2933	D30648	NUC	Sequence 2986	AL049776	NUC
Sequence 2934	AF155832	NUC	Sequence 2987	AB002391	NUC
Sequence 2935	U66616	NUC	Sequence 2988	M26481	NUC
Sequence 2936	X94563	NUC	Sequence 2989	M29536	NUC
Sequence 2937	AF178030	NUC	Sequence 2990	X59417	NUC
Sequence 2938	V00478	NUC	Sequence 2991	AC005042	NUC
Sequence 2939	AB003103	NUC	Sequence 2992	AC006599	NUC
Sequence 2940	AB028964	NUC	Sequence 2993	AC006055	NUC
Sequence 2941	AF084257	NUC	Sequence 2994	AF045451	NUC
Sequence 2942	D31763	NUC	Sequence 2995	AC002400	NUC
Sequence 2943	AC004106	NUC	Sequence 2996	AF055473	NUC
Sequence 2944	AB028859	NUC	Sequence 2997	AB027196	NUC
Sequence 2945	L19185	NUC	Sequence 2998	AL031710	NUC
Sequence 2946	Z73362	NUC	Sequence 2999	AB011542	NUC
Sequence 2947	AF064861	NUC	Sequence 3000	U47742	NUC
Sequence 2948	AB016068	NUC	Sequence 3001	U31089	NUC
Sequence 2949	D50929	NUC	Sequence 3002	U73843	NUC
Sequence 2950	AC007390	NUC	Sequence 3003	A12213	NUC
Sequence 2951	AF086541	NUC	Sequence 3004	AB020657	NUC
Sequence 2952	AF022783	NUC	Sequence 3005	L27211	NUC

TABLE 6

Sequence 3006	AF187320	NUC	Sequence 3059	AL049471	NUC
Sequence 3007	L15702	NUC	Sequence 3060	AF110184	NUC
Sequence 3008	AF069313	NUC	Sequence 3061	D55654	NUC
Sequence 3009	AF054183	NUC	Sequence 3062	U66894	NUC
Sequence 3010	AL080317	NUC	Sequence 3063	AF016028	NUC
Sequence 3011	M30393	NUC	Sequence 3064	AL031663	NUC
Sequence 3012	AL008627	NUC	Sequence 3065	U73634	NUC
Sequence 3013	U29091	NUC	Sequence 3066	AF050110	NUC
Sequence 3014	AL049692	NUC	Sequence 3067	AL117621	NUC
Sequence 3015	AF053233	NUC	Sequence 3068	AC002115	NUC
Sequence 3016	AF088071	NUC	Sequence 3069	AL050341	NUC
Sequence 3017	M33651	NUC	Sequence 3070	AL049766	NUC
Sequence 3018	U92436	NUC	Sequence 3071	AC006146	NUC
Sequence 3019	AC005049	NUC	Sequence 3072	U15782	NUC
Sequence 3020	AB028974	NUC	Sequence 3073	AC004130	NUC
Sequence 3021	AL133243	NUC	Sequence 3074	S57153	NUC
Sequence 3022	AC006384	NUC	Sequence 3075	M24194	NUC
Sequence 3023	AF017786	NUC	Sequence 3076	AB002381	NUC
Sequence 3024	X02152	NUC	Sequence 3077	AC005348	NUC
Sequence 3025	AC006198	NUC	Sequence 3078	AF019226	NUC
Sequence 3026	S72869	NUC	Sequence 3079	AF100748	NUC
Sequence 3027	X52851	NUC	Sequence 3080	AF010313	NUC
Sequence 3028	AC004185	NUC	Sequence 3081	AF080561	NUC
Sequence 3029	L09159	NUC	Sequence 3082	D30658	NUC
Sequence 3030	AC004466	NUC	Sequence 3083	S69002	NUC
Sequence 3031	AF027205	NUC	Sequence 3084	AF141201	NUC
Sequence 3032	AL080312	NUC	Sequence 3085	D13643	NUC
Sequence 3033	AL079283	NUC	Sequence 3086	AB011120	NUC
Sequence 3034	L00084	NUC	Sequence 3087	AC000054	NUC
Sequence 3035	U83117	NUC	Sequence 3088	AF151871	NUC
Sequence 3036	AF012072	NUC	Sequence 3089	AC005630	NUC
Sequence 3037	D16920	NUC	Sequence 3090	X03635	NUC
Sequence 3038	J03503	NUC	Sequence 3091	AB002371	NUC
Sequence 3039	AB023052	NUC	Sequence 3092	L01457	NUC
Sequence 3040	AC002055	NUC	Sequence 3093	X57352	NUC
Sequence 3041	E02628	NUC	Sequence 3094	J04611	NUC
Sequence 3042	AF035320	NUC	Sequence 3095	AC000065	NUC
Sequence 3043	M13560	NUC	Sequence 3096	AB018305	NUC
Sequence 3044	Z46606	NUC	Sequence 3097	AF069469	NUC
Sequence 3045	AC006312	NUC	Sequence 3098	AC007001	NUC
Sequence 3046	AF022913	NUC	Sequence 3099	AF013988	NUC
Sequence 3047	AC005406	NUC	Sequence 3100	AF052147	NUC
Sequence 3048	AC007510	NUC	Sequence 3101	AF032442	NUC
Sequence 3049	AL050198	NUC	Sequence 3102	AC002039	NUC
Sequence 3050	AL050265	NUC	Sequence 3103	AB026723	NUC
Sequence 3051	M23410	NUC	Sequence 3104	AC005083	NUC
Sequence 3052	D90373	NUC	Sequence 3105	J04765	NUC
Sequence 3053	AF028593	NUC	Sequence 3106	AF077030	NUC
Sequence 3054	D87454	NUC	Sequence 3107	L28809	NUC
Sequence 3055	AL024498	NUC	Sequence 3108	AL021807	NUC
Sequence 3056	L20941	NUC	Sequence 3109	AF070609	NUC
Sequence 3057	AC005488	NUC	Sequence 3110	AC004882	NUC
Sequence 3058	Z83818	NUC	Sequence 3111	X04106	NUC

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Sequence 3112	AC005546	NUC	Sequence 3165	AC007285	NUC
Sequence 3113	AF196482	NUC	Sequence 3166	AF055982	NUC
Sequence 3114	AC004556	NUC	Sequence 3167	AB006534	NUC
Sequence 3115	Y11651	NUC	Sequence 3168	AL133059	NUC
Sequence 3116	AC005593	NUC	Sequence 3169	AC005606	NUC
Sequence 3117	AF059524	NUC	Sequence 3170	AF179633	NUC
Sequence 3118	AF119297	NUC	Sequence 3171	AE000658	NUC
Sequence 3119	AB014087	NUC	Sequence 3172	AC005041	NUC
Sequence 3120	AF070560	NUC	Sequence 3173	AL021328	NUC
Sequence 3121	U19769	NUC	Sequence 3174	Z99129	NUC
Sequence 3122	M55542	NUC	Sequence 3175	AC003036	NUC
Sequence 3123	U37426	NUC	Sequence 3176	AF151878	NUC
Sequence 3124	AC007487	NUC	Sequence 3177	M12383	NUC
Sequence 3125	D10495	NUC	Sequence 3178	AB023172	NUC
Sequence 3126	AC003029	NUC	Sequence 3179	AL132665	NUC
Sequence 3127	AB020658	NUC	Sequence 3180	Z99943	NUC
Sequence 3128	AP000404	NUC	Sequence 3181	AF013759	NUC
Sequence 3129	AC002045	NUC	Sequence 3182	D29958	NUC
Sequence 3130	AC002554	NUC	Sequence 3183	A25270	NUC
Sequence 3131	AF079566	NUC	Sequence 3184	M55421	NUC
Sequence 3132	M87338	NUC	Sequence 3185	U03877	NUC
Sequence 3133	AB020686	NUC	Sequence 3186	AF001549	NUC
Sequence 3134	AF104923	NUC	Sequence 3187	AF095593	NUC
Sequence 3135	AC005037	NUC	Sequence 3188	AB020637	NUC
Sequence 3136	AB008390	NUC	Sequence 3189	AL035461	NUC
Sequence 3137	U16738	NUC	Sequence 3190	AB007941	NUC
Sequence 3138	AL031680	NUC	Sequence 3191	L42176	NUC
Sequence 3139	L05921	NUC	Sequence 3192	AP000326	NUC
Sequence 3140	AF123887	NUC	Sequence 3193	AC000118	NUC
Sequence 3141	AL080202	NUC	Sequence 3194	AB028980	NUC
Sequence 3142	AF028832	NUC	Sequence 3195	AF009466	NUC
Sequence 3143	M58028	NUC	Sequence 3196	AF151906	NUC
Sequence 3144	D89729	NUC	Sequence 3197	U30313	NUC
Sequence 3145	D87666	NUC	Sequence 3198	AB004788	NUC
Sequence 3146	D86965	NUC	Sequence 3199	AL034551	NUC
Sequence 3147	AC004000	NUC	Sequence 3200	D21254	NUC
Sequence 3148	D86971	NUC	Sequence 3201	D13665	NUC
Sequence 3149	AC004460	NUC	Sequence 3202	AB029000	NUC
Sequence 3150	AL049294	NUC	Sequence 3203	AF038960	NUC
Sequence 3151	AC008040	NUC	Sequence 3204	AB023155	NUC
Sequence 3152	AC009510	NUC	Sequence 3205	L11005	NUC
Sequence 3153	AF055012	NUC	Sequence 3206	D13639	NUC
Sequence 3154	X01630	NUC	Sequence 3207	M14219	NUC
Sequence 3155	AC005696	NUC	Sequence 3208	AL117664	NUC
Sequence 3156	E01650	NUC	Sequence 3209	AF063002	NUC
Sequence 3157	AC004448	NUC	Sequence 3210	AB023224	NUC
Sequence 3158	AB003151	NUC	Sequence 3211	AJ008005	NUC
Sequence 3159	AC006001	NUC	Sequence 3212	AC006960	NUC
Sequence 3160	AB032957	NUC	Sequence 3213	AL034386	NUC
Sequence 3161	AB006537	NUC	Sequence 3214	AL117355	NUC
Sequence 3162	AB013139	NUC	Sequence 3215	AB020532	NUC
Sequence 3163	U43286	NUC	Sequence 3216	J03040	NUC
Sequence 3164	M22538	NUC	Sequence 3217	A14133	NUC

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Sequence 3218	U56637	NUC	Sequence 3271	AF003540	NUC
Sequence 3219	AF056087	NUC	Sequence 3272	AA406124	EST
Sequence 3220	AF086484	NUC	Sequence 3273	Z43667	EST
Sequence 3221	X75861	NUC	Sequence 3274	AL119825	EST
Sequence 3222	M67466	NUC	Sequence 3275	AW051786	EST
Sequence 3223	AL035306	NUC	Sequence 3276	AA481275	EST
Sequence 3224	AB021288	NUC	Sequence 3277	AA070498	EST
Sequence 3225	Y08915	NUC	Sequence 3278	AI684166	EST
Sequence 3226	AC008063	NUC	Sequence 3279	AA604822	EST
Sequence 3227	A03911	NUC	Sequence 3280	AA528703	EST
Sequence 3228	AB006679	NUC	Sequence 3281	AA317201	EST
Sequence 3229	S69738	NUC	Sequence 3282	AA044789	EST
Sequence 3230	AB020724	NUC	Sequence 3283	AA404609	EST
Sequence 3231	M63310	NUC	Sequence 3284	AW170793	EST
Sequence 3232	AF035289	NUC	Sequence 3285	AA161261	EST
Sequence 3233	AF026291	NUC	Sequence 3286	N40436	EST
Sequence 3234	D13666	NUC	Sequence 3287	AL079803	EST
Sequence 3235	J03464	NUC	Sequence 3288	AI557226	EST
Sequence 3236	M25113	NUC	Sequence 3289	AA782770	EST
Sequence 3237	S82240	NUC	Sequence 3290	AI215719	EST
Sequence 3238	AC007688	NUC	Sequence 3291	AA077599	EST
Sequence 3239	AB015234	NUC	Sequence 3292	AA024456	EST
Sequence 3240	AB000220	NUC	Sequence 3293	AA844230	EST
Sequence 3241	X66435	NUC	Sequence 3294	AA135229	EST
Sequence 3242	M81750	NUC	Sequence 3295	AA143022	EST
Sequence 3243	L13923	NUC	Sequence 3296	AA761352	EST
Sequence 3244	AB008109	NUC	Sequence 3297	AA890032	EST
Sequence 3245	AB024313	NUC	Sequence 3298	AA143190	EST
Sequence 3246	M16541	NUC	Sequence 3299	AA367451	EST
Sequence 3247	AB023234	NUC	Sequence 3300	AA234295	EST
Sequence 3248	D16561	NUC	Sequence 3301	AA223159	EST
Sequence 3249	AC006378	NUC	Sequence 3302	AW080051	EST
Sequence 3250	J05192	NUC	Sequence 3303	AI908442	EST
Sequence 3251	M24630	NUC	Sequence 3304	AI819220	EST
Sequence 3252	AC007115	NUC	Sequence 3305	AA779398	EST
Sequence 3253	L35251	NUC	Sequence 3306	AI341138	EST
Sequence 3254	AL117237	NUC	Sequence 3307	AI267492	EST
Sequence 3255	AJ223812	NUC	Sequence 3308	AA291484	EST
Sequence 3256	M33665	NUC	Sequence 3309	AA195015	EST
Sequence 3257	D63998	NUC	Sequence 3310	AA033855	EST
Sequence 3258	AL096827	NUC	Sequence 3311	N44742	EST
Sequence 3259	AP000038	NUC	Sequence 3312	AI795813	EST
Sequence 3260	D14811	NUC	Sequence 3313	AA528106	EST
Sequence 3261	AB006625	NUC	Sequence 3314	AA033657	EST
Sequence 3262	M14083	NUC	Sequence 3315	AI198828	EST
Sequence 3263	AB019397	NUC	Sequence 3316	AA315357	EST
Sequence 3264	AF017060	NUC	Sequence 3317	AI209161	EST
Sequence 3265	D86961	NUC	Sequence 3318	AA768248	EST
Sequence 3266	AL049610	NUC	Sequence 3319	AA074676	EST
Sequence 3267	AF153609	NUC	Sequence 3320	AI267216	EST
Sequence 3268	U73824	NUC	Sequence 3321	AA343629	EST
Sequence 3269	AF156965	NUC	Sequence 3322	R33917	EST
Sequence 3270	U90441	NUC	Sequence 3323	AA429739	EST

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Sequence 3324	AI345325	EST	Sequence 3377	AA355196	EST
Sequence 3325	AA868896	EST	Sequence 3378	AI744982	EST
Sequence 3326	AA010505	EST	Sequence 3379	AA627743	EST
Sequence 3327	AA291971	EST	Sequence 3380	AA483481	EST
Sequence 3328	AA564003	EST	Sequence 3381	AI309917	EST
Sequence 3329	AA293341	EST	Sequence 3382	T06984	EST
Sequence 3330	AA373606	EST	Sequence 3383	AA256253	EST
Sequence 3331	AA053143	EST	Sequence 3384	AA708672	EST
Sequence 3332	AA301293	EST	Sequence 3385	AA665983	EST
Sequence 3333	AI149592	EST	Sequence 3386	AI219803	EST
Sequence 3334	AA827074	EST	Sequence 3387	AI375468	EST
Sequence 3335	AI216988	EST	Sequence 3388	AA813524	EST
Sequence 3336	AI074623	EST	Sequence 3389	AA618437	EST
Sequence 3337	AI762182	EST	Sequence 3390	AA010914	EST
Sequence 3338	AA075515	EST	Sequence 3391	AA343753	EST
Sequence 3339	AA172056	EST	Sequence 3392	AA320417	EST
Sequence 3340	D83855	EST	Sequence 3393	AI801940	EST
Sequence 3341	AI267720	EST	Sequence 3394	AA130169	EST
Sequence 3342	AI355779	EST	Sequence 3395	AA009925	EST
Sequence 3343	AI554274	EST	Sequence 3396	AA242891	EST
Sequence 3344	AI906975	EST	Sequence 3397	AI815432	EST
Sequence 3345	AI028131	EST	Sequence 3398	AF017688	EST
Sequence 3346	AI571776	EST	Sequence 3399	H16874	EST
Sequence 3347	AI680930	EST	Sequence 3400	AA278737	EST
Sequence 3348	AA777341	EST	Sequence 3401	AW166442	EST
Sequence 3349	AA456610	EST	Sequence 3402	H08058	EST
Sequence 3350	AA304654	EST	Sequence 3403	AA860220	EST
Sequence 3351	AA329973	EST	Sequence 3404	AI078772	EST
Sequence 3352	AA255420	EST	Sequence 3405	AI833097	EST
Sequence 3353	R11450	EST	Sequence 3406	R19454	EST
Sequence 3354	AI493522	EST	Sequence 3407	AA309929	EST
Sequence 3355	AI217035	EST	Sequence 3408	AI700750	EST
Sequence 3356	AA316480	EST	Sequence 3409	AI279141	EST
Sequence 3357	AI252136	EST	Sequence 3410	AA552037	EST
Sequence 3358	AA402679	EST	Sequence 3411	AA224341	EST
Sequence 3359	AA251491	EST	Sequence 3412	AA187148	EST
Sequence 3360	AA452664	EST	Sequence 3413	AA865218	EST
Sequence 3361	AI016669	EST	Sequence 3414	AA464792	EST
Sequence 3362	AI049783	EST	Sequence 3415	AA526028	EST
Sequence 3363	AI650892	EST	Sequence 3416	AA515690	EST
Sequence 3364	AA134266	EST	Sequence 3417	AA626222	EST
Sequence 3365	AA514269	EST	Sequence 3418	AA171821	EST
Sequence 3366	AW194103	EST	Sequence 3419	AA424206	EST
Sequence 3367	AI267285	EST	Sequence 3420	AA811499	EST
Sequence 3368	AI652079	EST	Sequence 3421	AA297332	EST
Sequence 3369	AA121474	EST	Sequence 3422	AI150623	EST
Sequence 3370	AW044114	EST	Sequence 3423	AA339356	EST
Sequence 3371	R96369	EST	Sequence 3424	AA354704	EST
Sequence 3372	AA406260	EST	Sequence 3425	AA218693	EST
Sequence 3373	AA304301	EST	Sequence 3426	AI267612	EST
Sequence 3374	AA465494	EST	Sequence 3427	AA219406	EST
Sequence 3375	AL035877	EST	Sequence 3428	AA902117	EST
Sequence 3376	AA314146	EST	Sequence 3429	AA393164	EST

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Sequence 3430	D62142	EST	Sequence 3483	AI114680	EST
Sequence 3431	AA037216	EST	Sequence 3484	AW071349	EST
Sequence 3432	AW247207	EST	Sequence 3485	AI241409	EST
Sequence 3433	AA974418	EST	Sequence 3486	AA464824	EST
Sequence 3434	AA447559	EST	Sequence 3487	AI312542	EST
Sequence 3435	AW021628	EST	Sequence 3488	AA102383	EST
Sequence 3436	AI431329	EST	Sequence 3489	AI435298	EST
Sequence 3437	AA284393	EST	Sequence 3490	AA339240	EST
Sequence 3438	AA769837	EST	Sequence 3491	AA412501	EST
Sequence 3439	AI735387	EST	Sequence 3492	AI267454	EST
Sequence 3440	AA236888	EST	Sequence 3493	AI267576	EST
Sequence 3441	AA394311	EST	Sequence 3494	AA311304	EST
Sequence 3442	AI267185	EST	Sequence 3495	AA490463	EST
Sequence 3443	AA334242	EST	Sequence 3496	AA460658	EST
Sequence 3444	AA304432	EST	Sequence 3497	AA810974	EST
Sequence 3445	AA479303	EST	Sequence 3498	AA810760	EST
Sequence 3446	AA442475	EST	Sequence 3499	AA132126	EST
Sequence 3447	AI267162	EST	Sequence 3500	AA031509	EST
Sequence 3448	AA011382	EST	Sequence 3501	AA307669	EST
Sequence 3449	AA424131	EST	Sequence 3502	AA813168	EST
Sequence 3450	AA434243	EST	Sequence 3503	AI088846	EST
Sequence 3451	AI267425	EST	Sequence 3504	AI253379	EST
Sequence 3452	AA157459	EST	Sequence 3505	AA236812	EST
Sequence 3453	AA644697	EST	Sequence 3506	AI275707	EST
Sequence 3454	AI026859	EST	Sequence 3507	AA033529	EST
Sequence 3455	AA284425	EST	Sequence 3508	AA055152	EST
Sequence 3456	AA465386	EST	Sequence 3509	AA927670	EST
Sequence 3457	AI275175	EST	Sequence 3510	AL037456	EST
Sequence 3458	AA358352	EST	Sequence 3511	AA069771	EST
Sequence 3459	AA293572	EST	Sequence 3512	AA204905	EST
Sequence 3460	AA150369	EST	Sequence 3513	AA994667	EST
Sequence 3461	AA651628	EST	Sequence 3514	W81657	EST
Sequence 3462	AA216367	EST	Sequence 3515	AA045319	EST
Sequence 3463	AA075632	EST	Sequence 3516	AA558919	EST
Sequence 3464	AI813971	EST	Sequence 3517	AA911125	EST
Sequence 3465	AW020413	EST	Sequence 3518	AA228352	EST
Sequence 3466	AA630545	EST	Sequence 3519	AI267664	EST
Sequence 3467	AA730678	EST	Sequence 3520	AA770006	EST
Sequence 3468	AA572766	EST	Sequence 3521	AA933736	EST
Sequence 3469	AA078859	EST	Sequence 3522	AA085443	EST
Sequence 3470	AI253335	EST	Sequence 3523	AA136796	EST
Sequence 3471	AA935181	EST	Sequence 3524	AI096609	EST
Sequence 3472	AA398704	EST	Sequence 3525	AA448542	EST
Sequence 3473	AA564224	EST	Sequence 3526	AA876526	EST
Sequence 3474	AI744435	EST	Sequence 3527	AA318185	EST
Sequence 3475	AI884510	EST	Sequence 3528	AI302808	EST
Sequence 3476	AA225282	EST	Sequence 3529	AW135330	EST
Sequence 3477	AA252109	EST	Sequence 3530	N59374	EST
Sequence 3478	N79647	EST	Sequence 3531	AA397822	EST
Sequence 3479	AA527538	EST	Sequence 3532	AA824398	EST
Sequence 3480	AI267282	EST	Sequence 3533	AA126693	EST
Sequence 3481	AI684991	EST	Sequence 3534	AA053658	EST
Sequence 3482	AA643416	EST	Sequence 3535	W39518	EST

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Sequence 3536	AI672191	EST	Sequence 3589	AI183621	EST
Sequence 3537	AI906427	EST	Sequence 3590	AA394288	EST
Sequence 3538	R31273	EST	Sequence 3591	AA769484	EST
Sequence 3539	AA625905	EST	Sequence 3592	AW134828	EST
Sequence 3540	AI681786	EST	Sequence 3593	AA115212	EST
Sequence 3541	AA100195	EST	Sequence 3594	AA524748	EST
Sequence 3542	AA021544	EST	Sequence 3595	AA534377	EST
Sequence 3543	AI630536	EST	Sequence 3596	AA133721	EST
Sequence 3544	AA573778	EST	Sequence 3597	AI214281	EST
Sequence 3545	AA114244	EST	Sequence 3598	AA868846	EST
Sequence 3546	AI446615	EST	Sequence 3599	AI139126	EST
Sequence 3547	AA514289	EST	Sequence 3600	AA436472	EST
Sequence 3548	AA167382	EST	Sequence 3601	AI148251	EST
Sequence 3549	AA962252	EST	Sequence 3602	AA419552	EST
Sequence 3550	AA186873	EST	Sequence 3603	AI216969	EST
Sequence 3551	AA310156	EST	Sequence 3604	AA442844	EST
Sequence 3552	R67118	EST	Sequence 3605	AA514991	EST
Sequence 3553	AA099424	EST	Sequence 3606	AA035568	EST
Sequence 3554	AI253330	EST	Sequence 3607	AA430088	EST
Sequence 3555	AI028681	EST	Sequence 3608	AW027979	EST
Sequence 3556	AI079304	EST	Sequence 3609	AI057010	EST
Sequence 3557	R71533	EST	Sequence 3610	AA506656	EST
Sequence 3558	R58421	EST	Sequence 3611	AA046864	EST
Sequence 3559	AA827331	EST	Sequence 3612	AA653506	EST
Sequence 3560	AI424555	EST	Sequence 3613	AA131678	EST
Sequence 3561	AA305531	EST	Sequence 3614	AI634524	EST
Sequence 3562	AI366380	EST	Sequence 3615	AI031811	EST
Sequence 3563	AI740874	EST	Sequence 3616	AI499418	EST
Sequence 3564	AA209340	EST	Sequence 3617	AA297402	EST
Sequence 3565	AA164585	EST	Sequence 3618	AI305838	EST
Sequence 3566	AI799502	EST	Sequence 3619	AA633313	EST
Sequence 3567	AA229837	EST	Sequence 3620	AA535454	EST
Sequence 3568	AI097571	EST	Sequence 3621	AA772321	EST
Sequence 3569	AI133892	EST	Sequence 3622	AI984506	EST
Sequence 3570	AI630193	EST	Sequence 3623	AA740409	EST
Sequence 3571	AA564659	EST	Sequence 3624	AI498191	EST
Sequence 3572	AA281666	EST	Sequence 3625	AA151006	EST
Sequence 3573	AA037554	EST	Sequence 3626	AA057583	EST
Sequence 3574	AI207618	EST	Sequence 3627	AI267349	EST
Sequence 3575	AI609604	EST	Sequence 3628	AA479629	EST
Sequence 3576	AA579613	EST	Sequence 3629	AI267573	EST
Sequence 3577	AA165632	EST	Sequence 3630	AA764981	EST
Sequence 3578	AA444131	EST	Sequence 3631	AA340986	EST
Sequence 3579	AA149691	EST	Sequence 3632	AI493573	EST
Sequence 3580	AW102841	EST	Sequence 3633	AA166631	EST
Sequence 3581	AA781544	EST	Sequence 3634	AI393326	EST
Sequence 3582	AA829752	EST	Sequence 3635	AA044660	EST
Sequence 3583	AA366995	EST	Sequence 3636	AA192483	EST
Sequence 3584	AA454909	EST	Sequence 3637	AI828699	EST
Sequence 3585	AI264159	EST	Sequence 3638	AA214737	EST
Sequence 3586	AA352493	EST	Sequence 3639	AW248302	EST
Sequence 3587	AA232172	EST	Sequence 3640	AA047052	EST
Sequence 3588	AA459527	EST	Sequence 3641	AA814576	EST

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Sequence 3642	AA043481	EST	Sequence 3695	AA005407	EST
Sequence 3643	AA256591	EST	Sequence 3696	AA514234	EST
Sequence 3644	AI087862	EST	Sequence 3697	AI346653	EST
Sequence 3645	AA101044	EST	Sequence 3698	N92184	EST
Sequence 3646	AA371367	EST	Sequence 3699	AA127628	EST
Sequence 3647	AA513171	EST	Sequence 3700	AI014369	EST
Sequence 3648	AA545726	EST	Sequence 3701	AI174824	EST
Sequence 3649	AA810875	EST	Sequence 3702	AA308454	EST
Sequence 3650	AI693146	EST	Sequence 3703	AA046572	EST
Sequence 3651	AA680070	EST	Sequence 3704	AI630282	EST
Sequence 3652	AI273509	EST	Sequence 3705	AI251752	EST
Sequence 3653	AA070512	EST	Sequence 3706	AA621235	EST
Sequence 3654	AW081346	EST	Sequence 3707	AA722200	EST
Sequence 3655	AA411369	EST	Sequence 3708	AI811548	EST
Sequence 3656	AW028647	EST	Sequence 3709	AI094382	EST
Sequence 3657	AA353335	EST	Sequence 3710	AA436486	EST
Sequence 3658	AA484712	EST	Sequence 3711	AW004018	EST
Sequence 3659	AA033520	EST	Sequence 3712	AA001144	EST
Sequence 3660	AA453239	EST	Sequence 3713	AA187408	EST
Sequence 3661	AA029874	EST	Sequence 3714	AA128259	EST
Sequence 3662	AA971538	EST	Sequence 3715	C17037	EST
Sequence 3663	AI188641	EST	Sequence 3716	AA628074	EST
Sequence 3664	AI378238	EST	Sequence 3717	AA861930	EST
Sequence 3665	AI284462	EST	Sequence 3718	AI500553	EST
Sequence 3666	AI918292	EST	Sequence 3719	N70663	EST
Sequence 3667	AW328371	EST	Sequence 3720	AI337979	EST
Sequence 3668	AI833163	EST	Sequence 3721	C18743	EST
Sequence 3669	AI139897	EST	Sequence 3722	AA641623	EST
Sequence 3670	AA171424	EST	Sequence 3723	AA626503	EST
Sequence 3671	AA058478	EST	Sequence 3724	AA044586	EST
Sequence 3672	AA744899	EST	Sequence 3725	AA166853	EST
Sequence 3673	AA421795	EST	Sequence 3726	AI085388	EST
Sequence 3674	R85997	EST	Sequence 3727	AA931228	EST
Sequence 3675	AA764902	EST	Sequence 3728	AA416946	EST
Sequence 3676	AA554452	EST	Sequence 3729	AA658330	EST
Sequence 3677	H94882	EST	Sequence 3730	AA532731	EST
Sequence 3678	AA424461	EST	Sequence 3731	AA868187	EST
Sequence 3679	AI138510	EST	Sequence 3732	AA056033	EST
Sequence 3680	AA527448	EST	Sequence 3733	AI089452	EST
Sequence 3681	AA872040	EST	Sequence 3734	AA587366	EST
Sequence 3682	AA446064	EST	Sequence 3735	W76437	EST
Sequence 3683	AA150780	EST	Sequence 3736	AA703930	EST
Sequence 3684	AI339783	EST	Sequence 3737	AI985740	EST
Sequence 3685	AA360707	EST	Sequence 3738	AI984774	EST
Sequence 3686	AA678648	EST	Sequence 3739	AI872145	EST
Sequence 3687	AA171844	EST	Sequence 3740	AI929113	EST
Sequence 3688	AI114651	EST	Sequence 3741	AI567103	EST
Sequence 3689	AA034100	EST	Sequence 3742	AI064691	EST
Sequence 3690	AA115512	EST	Sequence 3743	AW022656	EST
Sequence 3691	AA664986	EST	Sequence 3744	AA610472	EST
Sequence 3692	AI267254	EST	Sequence 3745	AA074242	EST
Sequence 3693	AA428329	EST	Sequence 3746	AA663188	EST
Sequence 3694	AA040478	EST	Sequence 3747	AL121384	EST



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Sequence 3748	AA147887	EST	Sequence 3801	AB003102	NUC
Sequence 3749	AA193340	EST	Sequence 3802	AB003151	NUC
Sequence 3750	AA018530	EST	Sequence 3803	AB003333	NUC
Sequence 3751	AA372230	EST	Sequence 3804	AB003698	NUC
Sequence 3752	F33160	EST	Sequence 3805	AB003730	NUC
Sequence 3753	AI253436	EST	Sequence 3806	AB004066	NUC
Sequence 3754	AI638175	EST	Sequence 3807	AB004857	NUC
Sequence 3755	AA877769	EST	Sequence 3808	AB005543	NUC
Sequence 3756	AA852087	EST	Sequence 3809	AB005659	NUC
Sequence 3757	AI753350	EST	Sequence 3810	AB006534	NUC
Sequence 3758	AA464338	EST	Sequence 3811	AB006572	NUC
Sequence 3759	AA489032	EST	Sequence 3812	AB006624	NUC
Sequence 3760	AA373962	EST	Sequence 3813	AB007163	NUC
Sequence 3761	AA333390	EST	Sequence 3814	AB007856	NUC
Sequence 3762	AA346113	EST	Sequence 3815	AB007860	NUC
Sequence 3763	AA280221	EST	Sequence 3816	AB007888	NUC
Sequence 3764	AA114968	EST	Sequence 3817	AB007896	NUC
Sequence 3765	AA036944	EST	Sequence 3818	AB007930	NUC
Sequence 3766	AI267499	EST	Sequence 3819	AB007940	NUC
Sequence 3767	AI018073	EST	Sequence 3820	AB007945	NUC
Sequence 3768	AA703779	EST	Sequence 3821	AB007957	NUC
Sequence 3769	T94830	NUCPATENT	Sequence 3822	AB007969	NUC
Sequence 3770	X33812	NUCPATENT	Sequence 3823	AB008164	NUC
Sequence 3771	Z08790	NUCPATENT	Sequence 3824	AB008430	NUC
Sequence 3772	V02802	NUCPATENT	Sequence 3825	AB009285	NUC
Sequence 3773	Z33949	NUCPATENT	Sequence 3826	AB009356	NUC
Sequence 3774	X87192	NUCPATENT	Sequence 3827	AB010874	NUC
Sequence 3775	Z16800	NUCPATENT	Sequence 3828	AB011089	NUC
Sequence 3776	X90855	NUCPATENT	Sequence 3829	AB011100	NUC
Sequence 3777	X35727	NUCPATENT	Sequence 3830	AB011108	NUC
Sequence 3778	V40524	NUCPATENT	Sequence 3831	AB011125	NUC
Sequence 3779	AC35182	PREPATNUC	Sequence 3832	AB011164	NUC
Sequence 3780	AC34190	PREPATNUC	Sequence 3833	AB011165	NUC
Sequence 3781	AC32793	PREPATNUC	Sequence 3834	AB011169	NUC
Sequence 3782	AC34472	PREPATNUC	Sequence 3835	AB011540	NUC
Sequence 3783	AC36789	PREPATNUC	Sequence 3836	AB013139	NUC
Sequence 3784	AC36807	PREPATNUC	Sequence 3837	AB013382	NUC
Sequence 3785	AC36392	PREPATNUC	Sequence 3838	AB014517	NUC
Sequence 3786	AC36185	PREPATNUC	Sequence 3839	AB014522	NUC
Sequence 3787	AC36187	PREPATNUC	Sequence 3840	AB014531	NUC
Sequence 3788	AC36179	PREPATNUC	Sequence 3841	AB014536	NUC
Sequence 3789	AC33905	PREPATNUC	Sequence 3842	AB014551	NUC
Sequence 3790	A12027	NUC	Sequence 3843	AB014563	NUC
Sequence 3791	A21185	NUC	Sequence 3844	AB014579	NUC
Sequence 3792	A42048	NUC	Sequence 3845	AB015335	NUC
Sequence 3793	A64377	NUC	Sequence 3846	AB015348	NUC
Sequence 3794	AB000712	NUC	Sequence 3847	AB015639	NUC
Sequence 3795	AB001106	NUC	Sequence 3848	AB015907	NUC
Sequence 3796	AB001601	NUC	Sequence 3849	AB015982	NUC
Sequence 3797	AB002332	NUC	Sequence 3850	AB016488	NUC
Sequence 3798	AB002333	NUC	Sequence 3851	AB017018	NUC
Sequence 3799	AB002349	NUC	Sequence 3852	AB017563	NUC
Sequence 3800	AB002387	NUC	Sequence 3853	AB017710	NUC

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Sequence 3854	AB018262	NUC	Sequence 3907	AB032988	NUC
Sequence 3855	AB018266	NUC	Sequence 3908	AB033034	NUC
Sequence 3856	AB018285	NUC	Sequence 3909	AB033042	NUC
Sequence 3857	AB018305	NUC	Sequence 3910	AB033058	NUC
Sequence 3858	AB018319	NUC	Sequence 3911	AB033075	NUC
Sequence 3859	AB018322	NUC	Sequence 3912	AB033076	NUC
Sequence 3860	AB018329	NUC	Sequence 3913	AB033078	NUC
Sequence 3861	AB018340	NUC	Sequence 3914	AB033080	NUC
Sequence 3862	AB018353	NUC	Sequence 3915	AB033084	NUC
Sequence 3863	AB019246	NUC	Sequence 3916	AC000015	NUC
Sequence 3864	AB019397	NUC	Sequence 3917	AC000024	NUC
Sequence 3865	AB019568	NUC	Sequence 3918	AC000048	NUC
Sequence 3866	AB019691	NUC	Sequence 3919	AC000353	NUC
Sequence 3867	AB019987	NUC	Sequence 3920	AC000394	NUC
Sequence 3868	AB020627	NUC	Sequence 3921	AC000403	NUC
Sequence 3869	AB020657	NUC	Sequence 3922	AC001226	NUC
Sequence 3870	AB020680	NUC	Sequence 3923	AC002039	NUC
Sequence 3871	AB020689	NUC	Sequence 3924	AC002041	NUC
Sequence 3872	AB020692	NUC	Sequence 3925	AC002060	NUC
Sequence 3873	AB020717	NUC	Sequence 3926	AC002064	NUC
Sequence 3874	AB020863	NUC	Sequence 3927	AC002067	NUC
Sequence 3875	AB020864	NUC	Sequence 3928	AC002076	NUC
Sequence 3876	AB020867	NUC	Sequence 3929	AC002309	NUC
Sequence 3877	AB020980	NUC	Sequence 3930	AC002377	NUC
Sequence 3878	AB020981	NUC	Sequence 3931	AC002379	NUC
Sequence 3879	AB020982	NUC	Sequence 3932	AC002381	NUC
Sequence 3880	AB021288	NUC	Sequence 3933	AC002404	NUC
Sequence 3881	AB022017	NUC	Sequence 3934	AC002420	NUC
Sequence 3882	AB022663	NUC	Sequence 3935	AC002458	NUC
Sequence 3883	AB023050	NUC	Sequence 3936	AC002460	NUC
Sequence 3884	AB023051	NUC	Sequence 3937	AC002467	NUC
Sequence 3885	AB023158	NUC	Sequence 3938	AC002476	NUC
Sequence 3886	AB023163	NUC	Sequence 3939	AC002477	NUC
Sequence 3887	AB023222	NUC	Sequence 3940	AC002480	NUC
Sequence 3888	AB023227	NUC	Sequence 3941	AC002543	NUC
Sequence 3889	AB025904	NUC	Sequence 3942	AC002558	NUC
Sequence 3890	AB026723	NUC	Sequence 3943	AC003002	NUC
Sequence 3891	AB026898	NUC	Sequence 3944	AC003007	NUC
Sequence 3892	AB027467	NUC	Sequence 3945	AC003037	NUC
Sequence 3893	AB028893	NUC	Sequence 3946	AC003041	NUC
Sequence 3894	AB028942	NUC	Sequence 3947	AC003663	NUC
Sequence 3895	AB028945	NUC	Sequence 3948	AC003665	NUC
Sequence 3896	AB028956	NUC	Sequence 3949	AC003688	NUC
Sequence 3897	AB029003	NUC	Sequence 3950	AC003693	NUC
Sequence 3898	AB029005	NUC	Sequence 3951	AC003983	NUC
Sequence 3899	AB029025	NUC	Sequence 3952	AC004003	NUC
Sequence 3900	AB030905	NUC	Sequence 3953	AC004016	NUC
Sequence 3901	AB032253	NUC	Sequence 3954	AC004022	NUC
Sequence 3902	AB032255	NUC	Sequence 3955	AC004032	NUC
Sequence 3903	AB032945	NUC	Sequence 3956	AC004054	NUC
Sequence 3904	AB032951	NUC	Sequence 3957	AC004080	NUC
Sequence 3905	AB032975	NUC	Sequence 3958	AC004130	NUC
Sequence 3906	AB032983	NUC	Sequence 3959	AC004131	NUC

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Sequence 3960	AC004222	NUC	Sequence 4013	AC005550	NUC
Sequence 3961	AC004236	NUC	Sequence 4014	AC005598	NUC
Sequence 3962	AC004262	NUC	Sequence 4015	AC005601	NUC
Sequence 3963	AC004383	NUC	Sequence 4016	AC005669	NUC
Sequence 3964	AC004452	NUC	Sequence 4017	AC005682	NUC
Sequence 3965	AC004456	NUC	Sequence 4018	AC005726	NUC
Sequence 3966	AC004457	NUC	Sequence 4019	AC005730	NUC
Sequence 3967	AC004499	NUC	Sequence 4020	AC005740	NUC
Sequence 3968	AC004504	NUC	Sequence 4021	AC005832	NUC
Sequence 3969	AC004510	NUC	Sequence 4022	AC005859	NUC
Sequence 3970	AC004520	NUC	Sequence 4023	AC005871	NUC
Sequence 3971	AC004523	NUC	Sequence 4024	AC005877	NUC
Sequence 3972	AC004526	NUC	Sequence 4025	AC005924	NUC
Sequence 3973	AC004542	NUC	Sequence 4026	AC005993	NUC
Sequence 3974	AC004551	NUC	Sequence 4027	AC005996	NUC
Sequence 3975	AC004587	NUC	Sequence 4028	AC006006	NUC
Sequence 3976	AC004616	NUC	Sequence 4029	AC006010	NUC
Sequence 3977	AC004636	NUC	Sequence 4030	AC006011	NUC
Sequence 3978	AC004664	NUC	Sequence 4031	AC006026	NUC
Sequence 3979	AC004686	NUC	Sequence 4032	AC006031	NUC
Sequence 3980	AC004707	NUC	Sequence 4033	AC006047	NUC
Sequence 3981	AC004772	NUC	Sequence 4034	AC006059	NUC
Sequence 3982	AC004797	NUC	Sequence 4035	AC006064	NUC
Sequence 3983	AC004816	NUC	Sequence 4036	AC006121	NUC
Sequence 3984	AC004836	NUC	Sequence 4037	AC006137	NUC
Sequence 3985	AC004879	NUC	Sequence 4038	AC006146	NUC
Sequence 3986	AC004904	NUC	Sequence 4039	AC006160	NUC
Sequence 3987	AC004912	NUC	Sequence 4040	AC006238	NUC
Sequence 3988	AC004918	NUC	Sequence 4041	AC006254	NUC
Sequence 3989	AC004924	NUC	Sequence 4042	AC006332	NUC
Sequence 3990	AC004943	NUC	Sequence 4043	AC006359	NUC
Sequence 3991	AC004955	NUC	Sequence 4044	AC006449	NUC
Sequence 3992	AC004961	NUC	Sequence 4045	AC006454	NUC
Sequence 3993	AC005007	NUC	Sequence 4046	AC006474	NUC
Sequence 3994	AC005034	NUC	Sequence 4047	AC006475	NUC
Sequence 3995	AC005046	NUC	Sequence 4048	AC006479	NUC
Sequence 3996	AC005065	NUC	Sequence 4049	AC006509	NUC
Sequence 3997	AC005072	NUC	Sequence 4050	AC006529	NUC
Sequence 3998	AC005095	NUC	Sequence 4051	AC006536	NUC
Sequence 3999	AC005104	NUC	Sequence 4052	AC006950	NUC
Sequence 4000	AC005210	NUC	Sequence 4053	AC007001	NUC
Sequence 4001	AC005237	NUC	Sequence 4054	AC007055	NUC
Sequence 4002	AC005253	NUC	Sequence 4055	AC007057	NUC
Sequence 4003	AC005261	NUC	Sequence 4056	AC007068	NUC
Sequence 4004	AC005271	NUC	Sequence 4057	AC007172	NUC
Sequence 4005	AC005291	NUC	Sequence 4058	AC007182	NUC
Sequence 4006	AC005296	NUC	Sequence 4059	AC007199	NUC
Sequence 4007	AC005325	NUC	Sequence 4060	AC007254	NUC
Sequence 4008	AC005366	NUC	Sequence 4061	AC007281	NUC
Sequence 4009	AC005383	NUC	Sequence 4062	AC007304	NUC
Sequence 4010	AC005488	NUC	Sequence 4063	AC007312	NUC
Sequence 4011	AC005538	NUC	Sequence 4064	AC007401	NUC
Sequence 4012	AC005546	NUC	Sequence 4065	AC007461	NUC

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Sequence 4066	AC007537	NUC	Sequence 4119	AF020797	NUC
Sequence 4067	AC007541	NUC	Sequence 4120	AF021351	NUC
Sequence 4068	AC007637	NUC	Sequence 4121	AF021819	NUC
Sequence 4069	AC007655	NUC	Sequence 4122	AF022108	NUC
Sequence 4070	AC007676	NUC	Sequence 4123	AF022211	NUC
Sequence 4071	AC007688	NUC	Sequence 4124	AF023611	NUC
Sequence 4072	AC007786	NUC	Sequence 4125	AF023674	NUC
Sequence 4073	AC007877	NUC	Sequence 4126	AF025440	NUC
Sequence 4074	AC007878	NUC	Sequence 4127	AF025441	NUC
Sequence 4075	AC007938	NUC	Sequence 4128	AF026445	NUC
Sequence 4076	AC007970	NUC	Sequence 4129	AF028832	NUC
Sequence 4077	AC008018	NUC	Sequence 4130	AF029786	NUC
Sequence 4078	AC008040	NUC	Sequence 4131	AF029890	NUC
Sequence 4079	AC008123	NUC	Sequence 4132	AF030555	NUC
Sequence 4080	AC009044	NUC	Sequence 4133	AF033095	NUC
Sequence 4081	AC009464	NUC	Sequence 4134	AF035191	NUC
Sequence 4082	AC009509	NUC	Sequence 4135	AF035286	NUC
Sequence 4083	AC009514	NUC	Sequence 4136	AF035289	NUC
Sequence 4084	AC009731	NUC	Sequence 4137	AF035374	NUC
Sequence 4085	AC010197	NUC	Sequence 4138	AF036130	NUC
Sequence 4086	AC010202	NUC	Sequence 4139	AF038042	NUC
Sequence 4087	AC010209	NUC	Sequence 4140	AF039023	NUC
Sequence 4088	AC010382	NUC	Sequence 4141	AF039693	NUC
Sequence 4089	AC010478	NUC	Sequence 4142	AF039701	NUC
Sequence 4090	AC012085	NUC	Sequence 4143	AF041259	NUC
Sequence 4091	AC016138	NUC	Sequence 4144	AF042385	NUC
Sequence 4092	AF000145	NUC	Sequence 4145	AF042729	NUC
Sequence 4093	AF000231	NUC	Sequence 4146	AF042838	NUC
Sequence 4094	AF000364	NUC	Sequence 4147	AF043325	NUC
Sequence 4095	AF000367	NUC	Sequence 4148	AF044195	NUC
Sequence 4096	AF000974	NUC	Sequence 4149	AF045167	NUC
Sequence 4097	AF000982	NUC	Sequence 4150	AF046001	NUC
Sequence 4098	AF002246	NUC	Sequence 4151	AF046059	NUC
Sequence 4099	AF002672	NUC	Sequence 4152	AF047434	NUC
Sequence 4100	AF002985	NUC	Sequence 4153	AF048693	NUC
Sequence 4101	AF004339	NUC	Sequence 4154	AF050175	NUC
Sequence 4102	AF004341	NUC	Sequence 4155	AF051850	NUC
Sequence 4103	AF004713	NUC	Sequence 4156	AF052105	NUC
Sequence 4104	AF006083	NUC	Sequence 4157	AF052124	NUC
Sequence 4105	AF006388	NUC	Sequence 4158	AF052153	NUC
Sequence 4106	AF007153	NUC	Sequence 4159	AF052577	NUC
Sequence 4107	AF007791	NUC	Sequence 4160	AF053470	NUC
Sequence 4108	AF008442	NUC	Sequence 4161	AF054183	NUC
Sequence 4109	AF011387	NUC	Sequence 4162	AF054838	NUC
Sequence 4110	AF012126	NUC	Sequence 4163	AF054988	NUC
Sequence 4111	AF013758	NUC	Sequence 4164	AF054990	NUC
Sequence 4112	AF014955	NUC	Sequence 4165	AF055473	NUC
Sequence 4113	AF016052	NUC	Sequence 4166	AF055474	NUC
Sequence 4114	AF016270	NUC	Sequence 4167	AF055475	NUC
Sequence 4115	AF017305	NUC	Sequence 4168	AF056087	NUC
Sequence 4116	AF019226	NUC	Sequence 4169	AF057160	NUC
Sequence 4117	AF020038	NUC	Sequence 4170	AF057352	NUC
Sequence 4118	AF020351	NUC	Sequence 4171	AF059195	NUC

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Sequence 4172	AF060219	NUC	Sequence 4225	AF097354	NUC
Sequence 4173	AF061337	NUC	Sequence 4226	AF097535	NUC
Sequence 4174	AF062323	NUC	Sequence 4227	AF100759	NUC
Sequence 4175	AF064257	NUC	Sequence 4228	AF100781	NUC
Sequence 4176	AF065388	NUC	Sequence 4229	AF102546	NUC
Sequence 4177	AF067724	NUC	Sequence 4230	AF102803	NUC
Sequence 4178	AF067817	NUC	Sequence 4231	AF103803	NUC
Sequence 4179	AF067844	NUC	Sequence 4232	AF107405	NUC
Sequence 4180	AF068235	NUC	Sequence 4233	AF107406	NUC
Sequence 4181	AF068754	NUC	Sequence 4234	AF107885	NUC
Sequence 4182	AF069532	NUC	Sequence 4235	AF109718	NUC
Sequence 4183	AF070559	NUC	Sequence 4236	AF109872	NUC
Sequence 4184	AF070609	NUC	Sequence 4237	AF110647	NUC
Sequence 4185	AF070634	NUC	Sequence 4238	AF112213	NUC
Sequence 4186	AF070640	NUC	Sequence 4239	AF112217	NUC
Sequence 4187	AF070646	NUC	Sequence 4240	AF112972	NUC
Sequence 4188	AF070655	NUC	Sequence 4241	AF113015	NUC
Sequence 4189	AF070672	NUC	Sequence 4242	AF113016	NUC
Sequence 4190	AF071219	NUC	Sequence 4243	AF113534	NUC
Sequence 4191	AF071747	NUC	Sequence 4244	AF113544	NUC
Sequence 4192	AF074000	NUC	Sequence 4245	AF113680	NUC
Sequence 4193	AF077036	NUC	Sequence 4246	AF113701	NUC
Sequence 4194	AF077045	NUC	Sequence 4247	AF113702	NUC
Sequence 4195	AF077202	NUC	Sequence 4248	AF117228	NUC
Sequence 4196	AF077207	NUC	Sequence 4249	AF117231	NUC
Sequence 4197	AF078855	NUC	Sequence 4250	AF117829	NUC
Sequence 4198	AF078858	NUC	Sequence 4251	AF118088	NUC
Sequence 4199	AF081259	NUC	Sequence 4252	AF123303	NUC
Sequence 4200	AF081282	NUC	Sequence 4253	AF126962	NUC
Sequence 4201	AF081484	NUC	Sequence 4254	AF131738	NUC
Sequence 4202	AF082283	NUC	Sequence 4255	AF131771	NUC
Sequence 4203	AF083106	NUC	Sequence 4256	AF131807	NUC
Sequence 4204	AF083243	NUC	Sequence 4257	AF131836	NUC
Sequence 4205	AF083441	NUC	Sequence 4258	AF131838	NUC
Sequence 4206	AF084457	NUC	Sequence 4259	AF131858	NUC
Sequence 4207	AF085357	NUC	Sequence 4260	AF132856	NUC
Sequence 4208	AF085359	NUC	Sequence 4261	AF132939	NUC
Sequence 4209	AF085833	NUC	Sequence 4262	AF133426	NUC
Sequence 4210	AF085844	NUC	Sequence 4263	AF134213	NUC
Sequence 4211	AF085947	NUC	Sequence 4264	AF134726	NUC
Sequence 4212	AF085986	NUC	Sequence 4265	AF139065	NUC
Sequence 4213	AF086080	NUC	Sequence 4266	AF139131	NUC
Sequence 4214	AF086311	NUC	Sequence 4267	AF141346	NUC
Sequence 4215	AF086435	NUC	Sequence 4268	AF141347	NUC
Sequence 4216	AF087150	NUC	Sequence 4269	AF144755	NUC
Sequence 4217	AF087481	NUC	Sequence 4270	AF145477	NUC
Sequence 4218	AF087660	NUC	Sequence 4271	AF146796	NUC
Sequence 4219	AF089744	NUC	Sequence 4272	AF147204	NUC
Sequence 4220	AF089747	NUC	Sequence 4273	AF147339	NUC
Sequence 4221	AF090900	NUC	Sequence 4274	AF147398	NUC
Sequence 4222	AF091035	NUC	Sequence 4275	AF151028	NUC
Sequence 4223	AF091086	NUC	Sequence 4276	AF151059	NUC
Sequence 4224	AF093249	NUC	Sequence 4277	AF151078	NUC